October 30, 1966

TECHNICAL TRANSLATIONS

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UNIVERSITY OF LOUISVILLE

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October 30, 1966 Volume 16, Number 8

TECHNICAL TRANSLATIONS

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FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and number.

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01 AERONAUTICS

A. Aerodynamics

TT-65-13861 Field 1A

Coudeville, H.
MEASUREMENT OF DRAG IN RAREFIED GAS AT LOW SPEEDS (Mesures de Trainee dans les Gas Rarefies aux Faibles Vitesses). 44p, 6refs.
Order from SLA: $4.60 as TT-65-13861

Trans. of Centre National de la Recherche Scientifique et Faculte des Sciences de Paris. Laboratoire d'Aerothermique (France) Rept., n64-7 1964.

TT-66-12148 Field 1A

Rowinski, R.
HYPERSONIC FLOWS (Proeplywy Hipersoniczne). Mar 66, 77p, 42refs. SC-T-66-0724.
Order from SLA: $7.60 as TT-66-12148

Trans. of Instytut Lotnictwa, Warsaw. Prace (Poland) n23 p36-54 1964.

TT-66-12315 Field 1A

Boev, A. G.; German, V. L.
CURVILINEAR COORDINATES IN BOUNDARY LAYER THEORY. 8p, 9refs.
Order from SLA: $1.10 as TT-66-12315

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika n6 p3-9 1965.

TT-66-12316 Field 1A

Tinyakov, G. P.
INVESTIGATION OF THE THREE-DIMENSIONAL SUPERSONIC FLOW AROUND ELLIPSOIDS OF REVOLUTION. 12p, 3refs.
Order from SLA: $1.60 as TT-66-12316

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika n6 p10-9 1965.

TT-66-12475 Field 1A

Kapustianskii, S. M.
LAMINAR BOUNDARY LAYER IN A HIGH SPEED GAS FLOW. 6p, 9refs.
Order from SLA: $1.10 as TT-66-12475

Trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) n248 p59-64 1965.

TT-66-12486 Field 1A

Dushin, V. K.; Lunkin, Yu. P.
SUPERSONIC FLOW AROUND BLUNT BODIES BY NONEQUILIBRIUMLY DISSOCIATING AIR. 10p, 14refs.
Order from SLA: $1.10 as TT-66-12486

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v35 n8 p1461-70 1965.

TT-66-12489 Field 1A

Myshkova, L. I.
ON THE INFLUENCE OF THE INTERACTION OF DISSIPATIVE AND ISENTROPIC STREAMS ON THE FLOW IN THE BASE REGION OF A BODY MOVING AT HYPERSONIC VELOCITY. 8p, 3refs.
Order from SLA: $1.10 as TT-66-12489

Trans. of Leningrad Univ. Vestnik (USSR) v20 n19, Seriya Matematiki, Mekhaniki i Astronomii, n4 p112-9 1965.

TT-66-12743 Field 1A

Mkhtaryan, A. M.; Ovsyannikov, M. P.
ON THE DETERMINATION OF THE LINEARIZED FLOW PERTURBATIONS OF A NONAXIALLY SYMMETRIC CONICAL BODY IN HYPERSONIC FLOW (K Opredeleniyu Linearizovannykh Potokov Vozmushchenii Pri Giperzvukovom Obtekanii Neosesimmetrichnykh Konicheskikh Tel). 17p, 4refs.
Order from SLA: $1.60 as TT-66-12743

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) n1 p7-14 1965.

TT-66-12888 Field 1A

Krasnov, N. F.
LIFT OF SLENDER BODIES OF REVOLUTION IN LINEARIZED FLOW. 68p.
Order from SLA: $6.60 as TT-66-12888

Trans. from mono. Aerodinamika Tel Vrashcheniya. Chapter V, Sect. 15 and 16. Moscow, 1964 p260-299. Aerodynamics of Bodies of Revolution.

TT-66-61037 Field 1A

Myshkova, L. I.
ON THE INFLUENCE OF THE INTERACTION OF DISSIPATIVE AND ISENTROPIC STREAMS ON THE FLOW IN THE BASE REGION OF A BODY MOVING AT HYPERSONIC VELOCITY. 1966, 8p, 3refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61037

Trans. of Leningrad Univ. Vestnik (USSR) v20 n19 Seriya Matematiki, Mekhaniki i Astronomii n4 p112-9 1965.

TT-66-61333 Field 1A

Maikapar, G. I.
ON THE COMPUTATION OF HEAT TRANSFER IN THE BASE REGION. 1966, 4p, 3refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50

as TT-66-61333

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika, n5 p144-6 1965.

TT-66-61365 Field 1A

Tinakov, G. P.
INVESTIGATION OF THE THREE-DIMENSIONAL SUPERSONIC FLOW AROUND ELLIPSOIDS OF REVOLUTION. 1966, 12p, 3refs.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
as TT-66-61365

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n6 p10-9 1965.

TT-66-61899 Field 1A

Agafonov, V. P.
INTERACTION BETWEEN THE BOUNDARY LAYER AND THE HYPERSONIC FLOW IN A CONICAL NOZZLE (Vzaimodeistvie Pogranichnogo Sloya c Giperzvukovym Potokom v Konicheskom Sople). 16 May 66, 10p, 3refs.
ATD-66-54; AD-636 505.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 505

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika, n5 p154-7 1965.

Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-61913 Field 1A

Naumova, I. N.
METHOD OF CHARACTERISTICS FOR EQUILIBRIUM FLOWS OF AN IMPERFECT GAS. 4 Apr 66, 47p, 15refs.
FTD-TT-65-1700; AD-636 590.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-636 590

Edited trans. of mono. Method Kharakteristik dlya Ravnovesnykh Technii Nesovershennogo Gaza, Moscow, 1964 44p.

TT-66-62026 Field 1A, 20D, 20K

JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS: COLLECTION OF ARTICLES. 28 Feb 66, 338p, 202refs. FTD-MT-64-319; AD-636 992.
Order from CFSTI or ETC: HC$7.00, MF$1.75
as AD-636 992

Edited machine trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n3 p1-185 1964.

TT-66-62031 Field 1A

Arzhanikov, N. S.; Maltsev, V. N.
USSR - BIRTHPLACE OF AERODYNAMICS. 9 May 66, 36p, 75refs. FTD-MT-65-497; AD-637 054.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-637 054

Edited machine trans. of mono. Aerodinamika Moscow, p1-17, 470-3 1952.

B. Aeronautics

TT-66-33135 Field 1B

USSR TRANSPORTATION: TRANSLATIONS NO. 124. 27 Jul 66, 22p. JPRS-36704.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33135

TT-66-33243 Field 1B, 5A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 38. 3 Aug 66, 16p. JPRS-36813.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33243

TT-66-33485 Field 1B, 13J

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 42. 16 Aug 66, 20p. JPRS-37055.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33485

TT-66-61793 Field 1B

Gozdek, V. S.
GALLOPING OF LANDING GEAR TROLLEYS DURING THE MOVEMENT OF THE AIRCRAFT OVER A DIRT AIRFIELD. 13 May 66, 9p. FTD-HT-66-223; AD-635 834.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-635 834

Unedited rough draft trans. of Inzhenernyi Zhurnal (USSR) v5 n4 p743-5 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

C. Aircraft

TT-66-61920 Field 1C

THE AN-22. 21 Mar 66, 6p. FTD-TT-65-2053; AD-636 609.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 609

Unedited rough draft trans. from Krasnaya Zvezda (USSR) 16 Jun p1 1965.

TT-66-61950 Field 1C

THE TU-144. 21 Mar 66, 5p. FTD-TT-65-2054; AD-636 664.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 664

Unedited rough draft trans. from Rabochaya Gazeta (USSR) 16 Jun p1 1965.

TT-66-62051 Field 1C

Feofanov, A. F.
STRUCTURAL MECHANICS OF AIRFRAME STRUCTURES. (Stroitelnaya Mekhanika Aviatsionnykh Konstruktsii). 26 Mar 66, 315p, 37refs. FTD-TT-65-1698; AD-637 105.
Order from CFSTI or ETC: HC$7.00, MF$1.50

as AD-637 105

Unedited rough draft trans. of Aviatsionnyi Institut, Moscow, Trudy (USSR) v160 p1-284 1964.

D. Aircraft flight control and instrumentation

TT-66-12744 Field 1D

Schreiber, E.
PRECISION OF THE BEHM DEPTH INDICATOR FOR AIRCRAFT AT LOW ALTITUDES OF FLIGHT. 11p, 1ref.
Order from SLA: $1.60 as TT-66-12744

Trans. of Deutsche Versuchsanstalt fuer Luft-und Raumfahrt. Jahrbuch (Germany) p591-3 1931.

02 AGRICULTURE

TT-66-32864 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 135. 12 Jul 66, 28p. JPRS-36432.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-32864.

TT-66-33057 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 136. 22 Jul 66, 26p. JPRS-36626.
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as TT-66-33057

TT-66-33081 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 137. 25 July 66, 13p. JPRS-36650.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33081

TT-66-33177 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 138. 1 Aug 66, 22p. JPRS-36746.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33177

TT-66-33204 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 22. Study Science. 2 Aug 66, 17p. JPRS-36773.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33204

TT-66-33314 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 140. 8 Aug 66, 9p. JPRS-36884.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33314

TT-66-33406 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 24. Agricultural Mechanization Technology. 12 Aug 66, 21p. JPRS-36976.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33406

A. Agricultural chemistry

TT-65-62985 Field 2A

Kardashev, N. S.; Lozinskaya, T. A.; Sleptsova, N. F.
THE SPIRAL STRUCTURE OF THE GALAXY FROM OBSERVATIONS AT A WAVELENGTH OF 21 CM. Tr. by P. A. Kazakov. 26 Aug 65, 5p (foreign text included) 11refs. CSIRO-Trans-7357.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-65-62985

Trans. of Astronomicheskii Tsirkulyar (USSR) n289 p1-4 1964.

TT-65-64402 Field 2A

PLANT NUTRITION: MINERAL FERTILIZERS. 1965, 11p. TVA-4099.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
as TT-65-64402

Trans. of All-Union Scientific Research Institute of Fertilizers and Agronomical Soil Science (no. 41) Proceedings, n.p., n.d.

B. Agricultural economics

TT-66-32441 Field 2B, 2F, 6H

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 443. 15 Jun 66, 94p. JPRS-36007.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as
TT-66-32441

TT-66-33180 Field 2B, 5C

COMMUNIST, NO. 8, MAY 1966. 1 Aug 66, 166p. JPRS-36749.
Order from CFSTI or ETC: HC$5.00, MF$1.00
as TT-66-33180

TT-66-33232 Field 2B, 2D

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES NO. 461. 3 Aug 66, 32p. JPRS-36802.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33232

C. Agricultural engineering

TT-65-14145 Field 2C

NEW METHODS OF FORAGE HARVESTING. 3p (figs omitted) 5refs.
Order from SLA: $1.60 as TT-65-14145

Trans. of Agriculture (France) v26 n257 p191-5 1963.

TT-65-30513 Field 2C

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 176. 15 Mar 65,

35p. JPRS-29121.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-65-30513

TT-65-63378 Field 2C, 13H

Volchkova, V. V.
ON THE PROBLEM OF AUTOMATION OF IRRIGATION SYSTEMS. 22 Mar 65, 13p, 3refs.
Order from CFSTI or ETC: HC$1.60, MF$0.50
as TT-65-63378

Trans. of Akademiya Nauk Kirgizskoi SSR, Frunze. Izvestiya. Seriya Estestvennykh i Tekhnicheskikh Nauk, v4 n8 13p 1962.

TT-66-11710 Field 2C

Feiffer, R.; Bergner, W.; Bohm, A.
IMPULSE CONTROL OF FEED: A POSSIBILITY FOR A SUBSTANTIAL REDUCTION IN LOSSES AT DRUMS AND SHAKING MACHINES. 15p.
Order from SLA: $1.60 as TT-66-11710

Deutsche Agrartechnik (Germany) v14 n6 p257-61 1964.

TT-66-13018 Field 2C

Gustafsson, Y.
INVESTIGATIONS OF FLOW CONDITIONS IN DRAINED SOIL. 2. CURRENT-FLOW IN DRAINED SOIL WHICH IS PARTIALLY FILLED WITH WATER. 50p, 152refs.
Order from SLA: $4.60 as TT-66-13018

Trans. of Acta Agriculturae Suecana (Sweden) v2 p90-113 1946.
Partial trans. of p1-157.

TT-66-33290 Field 2C, 2B

USSR AGRICULTURE: TRANSLATIONS NO. 139. 4 Aug 66, 49p. JPRS-36860.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33290

TT-66-33496 Field 2C, 2D, 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 467. 17 Aug 66, 32p. JPRS-37067.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33496

D. Agronomy and horticulture

TT-65-31572 Field 2D, 5G, 5I

SOUTHEAST ASIA STUDIES, VOL. 2, 1963. 13 Jul 65, 144p, 18refs. JPRS-31074.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-65-31572

Trans. of Tonan Ajia Kenkyu (Japan) v2 p1-94 1963.

TT-66-11788 Field 2D

Miyabayashi, T.
DIFFERENCES IN MOST-SUITABLE AND CRITICAL ILLUMINATING HOURS FOR RICE PLANTS IN RELATION TO THEIR VARIETIES. 8p (figs tables omitted) 9refs.
Order from SLA: $1.10 as TT-66-11788

Trans. of Nihon Sakvmotsu Gakkai Kiji (Japan) v15 n3/4 1944.

TT-66-12554 Field 2D

Mitsui, S.; Kumazawa, K.
DYNAMIC STUDIES ON NUTRIENTS UPTAKE BY CROP PLANTS. PT 41. ROOT ACTIVITY OF RICE PLANT UNDER DIFFERENT NUTRIENT AND REDOX-CONDITIONS. 13p, 2refs.
Order from SLA: $1.60 as TT-66-12554

Trans. of Nihon Dojo Hiryogaku Zasshi (Japan) v35 n4 p115-8 1964.

TT-66-12555 Field 2D

Noguchi, Y.
ON THE CONTROL OF HEADING OF PADDY RICE BY ILLUMINATION TREATMENT (SUPPLEMENT) 3p.
Order from SLA: $1.10 as TT-66-12555

Trans. of Nihon Sakumotsu Gakkai Kiji (Japan) v2 p153-160 1930.

TT-66-12556 Field 2D

Kondo, M.; Takahashi, R.; Terasaka, Y.
LATE CULTURE AS A METHOD OF SHORT-TERM RICE CULTIVATION. 39p, 3refs.
Order from SLA: $3.60 as TT-66-12556

Trans. of Nogaku Kenkyu (Japan) v29 1938.

TT-66-12558 Field 2D

Kondo, M.
LATE CULTURE AS A METHOD OF SHORT-TERM RICE CULTIVATION (FOLLOW-UP REPORT). 16p, 1ref.
Oreder from SLA: $1.60 as TT-66-12558

Trans. of Nogaku Kenkyu (Japan) v31 1939.

TT-66-12657 Field 2D

Miyabayashi, T.
THE INFLUENCE UPON THE HEADING STATE OF RICE PLANTS, OF THE DIFFERENCE IN THE INTENSITY OF NIGHT ILLUMINATION DURING LONG-DAY TREATMENT. 7p, 5refs.
Order from SLA: $1.10 as TT-66-12657

Trans. of Nogyo Oyobi Engei (Japan) v18 n2 p189-90 1943.

TT-66-12658 Field 2D

Morimoto, I.
STUDIES ON YIELD ABILITIES OF RICE VARIETIES IN JAPAN. ON CLASSIFICATIONS OF RICE VARIETIES BY TYPE OF HEADING STAGE OF ITS PLANT IN PREFECTURAL DISTRIBUTION. 9p.
Order from SLA: $1.10 as TT-66-12658

Trans. of Nihon Sakumotsu Gakkai Kiji (Japan) v17 n1 1946.

TT-66-12669 Field 2D

Noguchi, Y.; Nakajima, T.; Yamaguchi. T.
STUDIES ON THE CONTROL OF FLOWER BUD FORMATION IN RICE PLANTS BY VARYING TEMPERATURES AND DAY-LENGTHS. VIII. ON THE REVERSAL OF GROWTH PHASE IN RICE PLANTS. 3p.
Order from SLA: $1.10 as TT-66-12669

Trans. of Ikushugaku Zasshi (Japan) v13 n3 p194-5 1963.

TT-66-12670 Field 2D

Shimizu, K.; Toyo-oka, S.; Nishida, H.
STANDS OF SEEDLINGS OF LOWLAND RICE DIRECTLY SEEDED ON UNIRRIGATED PADDY FIELD AS AFFECTED BY THE METHODS OF LAND PREPARATION AND TYPES OF SEEDERS USED. 7p.
Order from SLA: $1.10 as TT-66-12670

Trans. of Chugoku Nogyo Kenykyu (Japan) n29 p51-2 1964.

TT-66-12889 Field 2D

Sato, S.
MACRO- AND MICRO-CLIMATES IN RICE CULTURE AND ARTIFICIAL CONTROL OF MICROCLIMATES OF PADDY FIELDS IN THE WARM REGION OF JAPAN. 160p (figs omitted).
Order from SLA: $12.00 as TT-66-12889

Trans. of Kyushu Nogyo Shikenjo Iho (Japan) v6 n4 p259-364 1960.

TT-66-33056 Field 2D, 2B, 2E

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 457. 22 Jul 66, 98p. JPRS-36625.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33056

TT-66-33423 Field 2D, 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 465. 15 Aug 66, 32p. JPRS-36993.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33423

E. Animal husbandry

TT-65-50074 Field 2E

Rostovtsev, N. F., ed.
THEORY AND PRACTICE OF LIVESTOCK BREEDING. Tr. by D. Vinograd. 1966, 217p. SFCSI-Agr(TT-65-50074).
Order from CFSTI: $6.00 as TT-65-50074

Trans. of mono. Teoriya i Praktika Razvedeniya Selskokhozyaistvennykh Zhivotnykh, Moscow, 1961.

TT-65-63791 Field 2E

Dilke, N. E.
DETECTION OF LATENT CENTRES OF BABESIELLOSIS OF CATTLE. Tr. by M. Slade. 1966, 5p (foreign text included). CSIRO-Trans-7297.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-65-63791

Trans. of Veterinariya (USSR) v32 n4 p47-8 1955.

TT-65-64607 Field 2E

Sudachenkov, V. V.
SUPERINFECTION AS PRIMARY FACTOR IN THE MAINTENANCE OF CENTRES OF BABESIELLA INFECTION. Tr. by M. Slade. 1965, 10p (foreign text included). CSIRO-Trans-7296.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-65-64607

Trans. of Veterinariya (USSR) v29 n3 p19-21 1952.

TT-66-12111 Field 2E

Bronsch, K.; Grieser, N.
FLUORINE AND FLUORINE TOLERANCES IN FODDER OF DOMESTIC ANIMALS. 2. PATHOPHYSIOLOGY OF FLUORINE AND FODDER TESTS ON DOMESTIC ANIMALS. Tr. by J. Chapin. 8 Sep 65, 23p, 297refs. NIH-9-5-65.
Order from SLA: $2.60 as TT-66-12111

Trans. of Berliner und Muenchener Tieraerztliche Wochenschrift (West Germany) v77 n20 p401-8 1964.

TT-66-33102 Field 2E

Meszaros, J.
TWENTY YEARS OF STRUGGLE AGAINST CONTAGIOUS ANIMAL DISEASE AS REFLECTED IN THE HUNGARIAN PROFESSIONAL LITERATURE. 25 Jul 66, 27p. JPRS-36671.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33102

Trans. of Magyar Allatorvosok Lapja (Hungary) v21 n1 12p 1966.

TT-66-33124 Field 2E, 2C

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 459. 26 Jul 66, 29p. JPRS-36693.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33124

F. Forestry

TT-65-50121 Field 2F, 5C

Kroth, W.
SYSTEMS OF FOREST TAXATION AND TAX IMPACT UPON PRIVATE FORESTRY IN SEVERAL EUROPEAN COUNTRIES. PT. II: BELGIUM, THE NETHERLANDS, LUXEMBURG, ITALY. Tr. by D. Ben-Yaakov. 1965, 203p, refs. SFCSI-Agr(TT-65-50121).
Order from CFSTI: $6.00 as TT-65-50121

Trans. of mono. Die Systeme der Waldbesteuerung und die Steuerliche Belastung Privater Forstbetriebe in Einigen Europaeischen Laender. Belgien-Niederlande-Luxemburg-Italien, Munich, 1962 209p.

TT-66-11624 Field 2F

FOREST FERTILIZATION IN NORWAY. 4p.
Order from SLA: $1.10 as TT-66-11624

Trans. of Skogen (Sweden) v52 n22 p443 1965.

TT-66-33307 Field 2F, 2-

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES NO. 462. 5 Aug 66, 45p. JPRS-36877.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-51081 Field 2F, 6F, 6C

Krasovskaya, I. V.; Smirnova, A. D.
THE USE OF MYCORRHIZA AT PLANTINGS OF OAK ACORNS UNDER THE ARID CONDITIONS OF THE SARATOV REGION (Ispolzovanie Mikorizy Pri Posevakh Zheludei Duba v Zasushlivykh Usloviyakh Saratovskoi Oblasti). 1966, 12p, 19refs.
SFCSI-Agr(TT-66-51081).
Order from CFSTI: HC$1.00 as TT-66-51081

Trans. of Les i Step (USSR) v2 n2 p29-37 1950.

TT-66-51088 Field 2F, 6C

Kornev, V. P.
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TT-66-51125 Field 2F

Remezov, N. P.; Bykova, L. N.; Smirnova, K. M.
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SFCSI-Agr(TT-66-51125).
Order from CFSTI: $1.00 as TT-66-51125

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, v24 p167-94 1955.

03 ASTRONOMY AND ASTROPHYSICS

A. Astronomy

TT-61-11147-137 Field 3A, 3B, 4B, 8C, 8J, 8E, 22-, 4A

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 137. 2 Aug 66, 78p. JPRS-36794.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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TT-66-61015 Field 3A

Bazelyan, L. L.; Braude, S. Ya.; Men, A. V.
ON THE SPECTRUM OF THE DISCRETE SOURCE 3C 200 IN THE DECAMETRE AND METRE RANGES. Tr. by P. A. Kazakov. 1966, 7p (foreign text included) 11refs.
CSIRO-Trans-7731.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61026 Field 3A

Lozinskaya, T. A.; Shcheglov, P. V.
AN ATTEMPT TO OBSERVE THE GALACTIC SPUR IN THE 3727 A (OII) AND H BETA LINES. Tr. by P. A. Kazakov. 1966, 5p (foreign text included) 5refs.
CSIRO-Trans-7729.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-66-61026

Trans. of Astronomicheskii Tsirkulyar (USSR) n327 p2-4 1965.

B. Astrophysics

TT-61-11147-124 Field 3B, 4B, 8E, 4A, 22-

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 124. 17 Jan 66, 69p. JPRS-33758.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-61-11147-124

Also available on subscription $16.00/year, foreign $20.00/year.

TT-65-30737 Field 3B, 3C, 6C

Masevich, A. G., ed.
DEVELOPMENT OF LIFE IN THE UNIVERSE. 14 Apr 65, 115p, 238refs. JPRS-29591.
Order from CFSTI or ETC: HC$4.00, MF$0.75
as TT-65-30737

Trans. of mono. Vozniknovenie Zhizni vo Vselennoi, Moscow, 1964 p4-96.
Contains the reports delivered at a conference of the Cosmogony Commission of the Astronomical Council, Academy of Sciences USSR, 6-7 Jun 1962.

TT-65-64384 Field 3B, 8C

Rubashev, B. M.
MANIFESTATION OF SOLAR ACTIVITY CYCLES IN THE ICE COVER OF THE BALTIC SEA (Proiavlenie Tsiklov Solnechnoi Aktivnosti v Ledovitosti Baltiiskogo Morya). Tr. by P. A. Kazakov. 1965, 16p (foreign text included) 8refs.
CSIRO-Trans-7394.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
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TT-65-64392 Field 3B

Kaplan, S. A.; Kardashev, N. S.
THE RELATIVISTIC SHOCK WAVES IN INTERGALACTIC GAS (Relyativistskie u Darie Volii v Mezhgalakticheskom Gaee). Tr. by P. A. Kazakov. 1965, 6p (foreign text included) 1ref.
CSIRO-Trans-7588.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-65-64392
Trans. of Astronomicheskii Tsirkulyar (USSR) n303 3p 1964.

TT-66-11381 Field 3B

Ebert, R.
THE DENSITY INCREASE OF HI REGIONS (Ueber die Verdichtung von HI Gebieten). Tr. by Z. F. St.-Gallay. Nov 65, 37p, 9refs. UCRL-Trans-1290(L).
Order from SLA: $3.60 as TT-66-11381

Trans. of Zeitschrift fuer Astrophysik (West Germany) v37 p217-32 1955.

TT-66-11855 Field 3B

Hoerner, S. von.
THE NUMERICAL INTEGRATION OF THE n-BODY PROBLEM FOR STAR CLUSTERS. PT II. Jun 64, 33p, 1refs. UCRL-Trans-1069(Pt. 2).
Order from SLA: $3.60 as TT-66-11855

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TT-66-12471 Field 3B

Labs, D.
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Order from SLA: $2.60 as TT-66-12471

Trans. of Zeitschrift fuer Astrophysik (West Germany) v28 n2 p150-75 1951.

TT-66-33461 Field 3B, 8C

Vorobev, V. N.
LUNAR-SOLAR SEMI-MONTHLY AND MONTHLY TIDES IN THE SEAS OF THE SOVIET ARCTIC. 16 Aug 66, 6p, 9refs. JPRS-37031.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33461

Trans. of Akademiya Nauk SSSR. Doklady. Seriya Matematika, Fizika, v162 n4/6 p1039-41 1966.

TT-66-60514 Field 3B

Kutuza, V. G.; Losovskii, B. Ya.; Salomonovich, A. E.
RADIO EMISSION OF SATURN IN 8 MM WAVELENGTH. 22 Jun 65, 5p. NASA-TT-F-9690; N66-10592.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-10592

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TT-66-60526 Field 3B

Levin, B. Yu.
THE ORIGIN OF THE EARTH AND QUESTIONS OF ITS STRUCTURE AND COMPOSITION. Feb 63, 17p. N66-11610; NASA-TT-F-8407.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-11610

Trans. of Akademiya Nauk SSSR. Vestnik, v32 n3 p9-16 1962.

TT-66-61016 Field 3B

Kutuza, B. G.; Losovskii, B. Ya.; Salomonovich, A. E.
MEASUREMENT OF MERCURIAN RADIO EMISSION AT A WAVELENGTH OF 8 mm. Tr. by P. A. Kazakov. 1966, 6p (foreign text included) 4refs. CSIRO-Trans-7730.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61016

Trans. of Astronomicheskii Tsirkulyar (USSR) n327 p5-7 1965.

TT-66-61018 Field 3B

Kurilchik, V. N.
FEATURES OF RADIO EMISSION FROM THE GALAXY NGC 5236 (M83). Tr. by P. A. Kazakov. 1966, 5p (foreign text included) 5refs. CSIRO-Trans-7732.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61018

Trans. of Astronomicheskii Tsirkulyar (USSR) n329 p2-4 1965.

TT-66-61025 Field 3B

Demidova, A. N.
THE SIZE OF ATMOSPHERIC INHOMOGENEITIES AFFECTING THE IMAGE OF THE SOLAR LIMB. Tr. by P. A. Kazakov. 1966, 6p (foreign text included) 2refs. CSIRO-Trans-7680.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61025

Trans. of Solnechnye Dannye (USSR) n12 p72-3 1964.

TT-66-61027 Field 3B, 14C, 14E

Ilyasov, U. I.
A TIME RECORDER IN HIGH-SPEED CINEMATOGRAPHY OF THE SUN. Tr. by P. A. Kazakov. 1966, 10p (foreign text included) 4refs. CSIRO-Trans-7619.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61027

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TT-66-61546 Field 3B

Kasinskii, V. V.
POSSIBLE MECHANISMS OF THE WARM-UP OF BRIGHT RINGS. Tr. by P. A. Kazakov. 1966, 11p (foreign text included) 16refs. CSIRO-Trans-7837.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61546

Trans. of Solnechnye Dannye (USSR) n5 p58-62 1965.

TT-66-61891 Field 3B, 3A, 3C

Javis, J.; Michaels, D. W.
SURFACE CHARACTERISTICS OF THE MOON, MARS, AND VENUS: ANNOTATED BIBLIOGRAPHY. 16 May 66, 64p, 110refs. ATD-66-53; AD-636 393.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-636 393

Compiled from Soviet-Satellite open sources pub. 1963-66. Rept. on Surveys of Foreign Scientific and Technical Literature.

C. Celestial mechanics

TT-66-12490 Field 3C, 12B

Kirpichnikov, S. N.
ON AN APPROXIMATE METHOD OF SOLVING EXTREMUM PROBLEMS. 4p, 2refs.
Order from SLA: $1.10 as TT-66-12490

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ON A POSSIBLY EXACT TRANSFER IN A CENTRAL FORCE

FIELD. 1966, 9p, 7refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-65-50113 Field 4A

Pogosyan, Kh. P.
THE AIR ENVELOPE OF THE EARTH. 1965, 238p.
SFCSI-NASA(TT-65-50113); NASA-TT-F-287.
Order from CFSTI: $6.00 as NASA-TT-F-287

Trans. of mono. Vozdushnaya Obolochka Zemli, Leningrad, 1962 230p.

TT-66-12125 Field 4A

Lauscher, F.
ON THE DISTRIBUTION OF THE WIND VELOCITY ON THE EARTH (Ueber die Verteilung der Windgeschwindigkeit auf der Erde). 10p (figs omitted).
AEC-tr-6696.
Order from SLA: $1.10 as TT-66-12125

Trans. of Archiv fuer Meteorologie, Geophysik und Bioklimatologie. Series B: Allgemeine und Biologische Klimatologie (Austria) v2 p427-40 1949.

TT-66-12126 Field 4A

Dinkelacker, O.
THE DISTRIBUTION FUNCTION OF THE WIND VELOCITY OVER THE HOCHRHOEN (Die Verteilungsfunktion der Windgerschwindigkeit fuer die Hochrhoen). 13p (figs omitted).
AEC-tr-6695.
Order from SLA: $1.60 as TT-66-12126

Trans. of Wetter und Klima (Germany) n9/10 p257-70 1948.

TT-66-12580 Field 4A, 20C

Ollendorff, F.
ON THE RADIATION FIELD OF LIGHTNING. 27p (some figs omitted) 9refs.
Order from SLA: $2.60 as TT-66-12580

Trans. of Elektrische Nachrichten-Technik (Germany) v7 n3 p108-19 1930.

TT-66-13155 Field 4A

Nania, A.
ON ATMOSPHERIC THERMOCONVECTION AND ON THE VARIABILITY OF THE AMBIENT 'ENTRAINMENT' (Sulla Termoconvezione Atmosferica e sulla Variabilita dell' 'Entrainment' Ambientale). 23p, 15refs.
Order from SLA: $2.60 as TT-66-13155

Trans. of Rivista di Meteorologia Aeronautica (Italy) v26 n1 p11-27 1966.

TT-66-33253 Field 4A

Leonov, R. A.
THE RIDDLE OF BALL LIGHTNING. 3 Aug 66, 74p. 44refs. JPRS-36823.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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TT-66-33459 Field 4A

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STUDY OF IONOSPHERIC LAYERS IN THE INFRARED SPECTRAL REGION. 16 Aug 66, 7p, 9refs. JPRS-37029.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Akademiya Nauk SSSR. Doklady. Seriya Matematika, Fizika, v162 n4/6 p803-6 1966.

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Lastochkin, V. P.; Stankevich, K. S.
EXPERIMENTAL OBSERVATION OF FLUCTUATIONS OF THE TEMPERATURE OF ATMOSPHERIC RADIO EMISSION.
20 Jan 66, 7p, 4refs. FTD-TT-65-1468; AD-634 812.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Order from CFSTI or ETC: HC$4.00, MF$0.75
as AD-635 220

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TT-66-61789 Field 4A

Leushin, N. I.
THE AMOUNT OF SUMMER LIGHTNING OVER THE EUROPEAN USSR. 25 May 66, 18p. FTD-TT-65-1798; AD-635 827.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-635 827

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LIST OF TRANSLATIONS 1965: FOREIGN LITERATURE RELATING TO THE GEOPHYSICAL SCIENCES. Tr. by American Meteorological Society. May 66, 22p. AD-636 983.
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as AD-636 983

B. Meteorology

TT-61-11147-138 Field 4B, 3B, 4A, 22-

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 138. 16 Aug 66, 83p. JPRS-37058.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-61-11147-138

TT-65-33100 Field 4B, 8H

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29 Oct 65, 86p, 107refs. JPRS-32621.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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TT-65-50312 Field 4B

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CLOUDINESS IN POLAND (AND) THUNDERSTORMS IN POLAND (Zachmurzenie Polski (and) Burze w Polsce).
1966, 173p, 63refs. SFCSI-Comm(TT-65-50312).
Order from CFSTI: $5.00 as TT-65-50312

Trans. of Polska Akademia Nauk, Instiytut Geografii. Prace Geograficzne, n34 p1-185 1962.

TT-66-11529 Field 4B

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THE REACTION OF SUPERCOOLED DROPS WITH CRYSTAL LIZATION NUCLEI. EXPERIMENT IN THE APPLICATION AND STANDARDIZATION OF DISPERSE PARTICLES AS CRYSTALLIZATION NUCLEI. 23p.
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TT-66-11574 Field 4B, 20F

Loehle, F.
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UCRL-Trans-1283 (L).
Order from SLA: $1.60 as TT-66-11574

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TT-66-11770 Field 4B

M. V. LOMONOSOV AND METEOROLOGY. 5p.
Order from SLA: $1.10 as TT-66-11770

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TT-66-12144 Field 4B, 13B

Klug, W.
METEOROLOGICAL FACTORS IN THE PROPAGATION CALCULATION. 16p, 7refs. ORNL-tr-982.
Order from SLA: $1.60 as TT-66-12144

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TT-66-12469 Field 4B

Nikandrov, V. Ya.
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Order from SLA: $3.60 as TT-66-12469

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Artificial Modification of Clouds and Gogs. Microphysical Basis.

TT-66-12470 Field 4B

Laktionov, A. G.
DETERMINATION OF THE CONCENTRATION OF CLOUD CONDENSATION NUCLEI (Opredelenie Kontsentratsii Oblachnykh Yader Kondensatsii).
5p, 8refs.
Order from SLA: $1.10 as TT-66-12470

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TT-66-12694 Field 4B

Georgii, H. -W.
INVESTIGATIONS ON RAINOUT AND WASHOUT OF ATMOSPHERIC TRACE SUBSTANCES THROUGH CLOUDS AND BY PRECIPITATION (Untersuchungen ueber Ausregnen und Auswaschen Atmosphaerischer Spurenstoffe durch Wolken und Niederschlag). 47p, 36refs.
Order from SLA: $4.60 as TT-66-12694

Trans. of Deutscher Wetterdienst. Berichte (West Germany) v14 n100 p3-23 1965.

TT-66-12927 Field 4B

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PHYSICAL PRINCIPLES AND STANDARDS FOR APPLICATION OF SOLID CO2 FOR THE ACTION ON SUPERCOOLED CLOUDS AND FOGS. 23p.
Order from SLA: $2.60 as TT-66-12927

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Artificial Modification of Clouds and Fogs. Microphysical Basis.

TT-66-33460 Field 4B

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NUMERICAL MODEL FOR SHORT-RANGE FORECASTING OF STRATIFORM CLOUD COVER. 16 Aug 66, 8p, 14refs.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33460

Trans. of Akademiya Nauk SSSR. Doklady. Seriya Matematika, Fizika, v162 n4/6 p1042-5 1966.

TT-66-33462 Field 4B

Gusev, A. M.
IS IT POSSIBLE TO INFLUENCE THE CLIMATE AND THE WEATHER. 16 Aug 66, 57p. JPRS-37032.
Order from CFSTI or ETC: HC$3.00, MF$0.50
as TT-66-33462

Trans. of mono. Klimat i Pogoda, Moscow, 1966 p73-122.

Climate and Weather.

TT-66-61028 Field 4B, 5B, 5F

GUIDE TO SOVIET LITERATURE ACCESSIONS IN THE WEATHER BUREAU LIBRARY. Tr. by Irene A. Donehoo and Harold K. Gold. Mar 66, 46p. WB/TA-6.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-61028

TT-66-61628 Field 4B, 8A, 3B

GUIDE TO SOVIET LITERATURE ACCESSIONS IN THE WEATHER BUREAU LIBRARY. Tr. by I. A. Donehoo; and H. K. Gold. Jun 66, 63p. WB/TA-7.
Order from CFSTI or ETC: HC$6.60, MF$0.75 as TT-66-61628

TT-66-61907 Field 4B

Bodolai, E.; Goetz, G.
MESOMETEOROLOGY AND THE POSSIBILITIES OF FORECASTING LOCAL WEATHER. 27 May 66, 14p. RSIC-562; AD-636 572.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 572

Trans. of Idojaras (Hungary) v66 n6 p361-6 1962.

TT-66-61931 Field 4B

Chen Chia-I.
ON THE CORRELATION OF WIND SPEED FLUCTUATIONS IN THE TURBULENT ATMOSPHERE. 4 Apr 66, 17p, 14refs. FTD-TT-65-607; AD-636 620.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 620

Edited trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v33 n4 p426-34 1963.

TT-66-62017 Field 4B

Chen Lung-shun; Wen Yu-pu; Kung Chi-pen; and Sun Sau-chung.
THE BUDGET OF THE ATMOSPHERIC RADIATION ENERGY OVER EASTERN ASIA. I. THE BUDGET OF SOLAR RADIATION ENERGY OF THE EARTH AND THE ATMOSPHERE. Jan 64, 38p, 18refs. Emm-65-34; AD-636 918.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-636 918

Trans. from Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v34 n2 p146-64 1964.

TT-66-62019 Field 4B

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A HYDRODYNAMIC MODEL FOR THE SEASONAL VARIATION OF THE GENERAL CIRCULATION AND LONG-RANGE FORECASTING. May 66, 12p, 8refs. Emm-65-61; AD-636 925.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 925

Trans. from Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v29 n1 p57-62 1958.

TT-66-62022 Field 4B, 19A

Ott, E.; Ohse, E.
IN ADDITION TO KNOWLEDGE ABOUT CYAMIC AND CYANURIC COMPOUNDS (Zur Kenntnis Einfacher Cyan und Cyanurverbindungen). Jul 66, 16p. AERDL-T-1862-66; AD-636 934.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 934

Trans. of Chemische Berichte (West Germany) v54 n2 p179-86 1921.
Contract DA-44-009-AMC-1563(T).

TT-66-62034 Field 4B

Chen Shou-jin.
A SPECTRAL ANALYSIS OF NORTHERN-HEMISPHERE FLOW DURING A LARGE-SCALE SYNOPTIC VARIATION. 4 Apr 66, 29p, 18refs. FTD-TT-65-606; AD-637 060.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-637 060

Edited trans. from Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v32 n4 p308-21 1962.

05 BEHAVIORAL AND SOCIAL SCIENCES

A. Administration and management

TT-65-30756 Field 5A, 6C, 2A, 2C

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 171. 16 Apr 65, 47p. JPRS-29631.
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TT-65-30851 Field 5A, 8A

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Trans. of Studia Filozoficzne (Poland) n2 p231-7 1965 and - Kultura i Spoleczenstwo (USSR) v8 n4 p3-25 1964; v9 n1 p51-69; n2 p19-29 1965.

TT-65-32866 Field 5D, 5C

STAMPA AND LA STAMPA SERA (27 SEP-3 OCT 65): INDEX NO. 281. 13 Oct 65, 10p. JPRS-32376.
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Leibzon, B.; Shirinya, K.
AN IMPORTANT EVENT IN THE HISTORY OF THE INTERNATIONAL COMMUNIST MOVEMENT. 27 Oct 65, 19p. JPRS-32580.
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Trans. of Politicheskoe Samoobrazovanie (USSR) v9 n7 p12-22 1965.

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Ivanov, V.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 193. 14 Dec 65, 30p. JPRS-33327.
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CUBA: TRANSLATIONS NO. 354. 17 Jan 66, 60p, 16refs. JPRS-33757.
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Order from CFSTI or ETC: HC$3.00, MF$0.75
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TT-66-30372 Field 5D, 5C

PRAVDA EDITORIAL (24 JAN 66): TRANSLATIONS NO. 567. 27 Jan 66, 4p. JPRS-33929.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-30372

TT-66-31749 Field 5D, 5I, 5C, 6H

STUDIES, NO. 3, 1966. 3 May 66, 119p, 6refs. JPRS-35313.
Order from CFSTI or ETC: HC$4.00, MF$0.75
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Trans. of Hoc Tap (North Vietnam) n3 p1-88 1966.

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SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 352. 23 Jun 66, 40p. JPRS-36140.
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POLITICAL AND SOCIOLOGICAL INFORMATION ON NORTH VIETNAM: TRANSLATIONS NO. 282. 28 Jun 66, 27p. JPRS-36218.
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TT-66-33096 Field 5D, 15G

SOVIET COMMENTARY ON CORNELIUS RYAN'S LAST BATTLE. 25 Jul 66, 4p. JPRS-36665.
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Trans. from Pravda, Moscow (USSR) 10 Jul p4 1966.

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AFRICA: TRANSLATIONS NO. 406. 26 Jul 66, 82p. JPRS-36677.
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SOUTH AND EAST ASIA: TRANSLATIONS NO. 120. 26 Jul 66, 38p. JPRS-36685.
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TT-66-33122 Field 5D

Timofeev, T. T., ed.; Galkin, A. A., ed.; Kovalskii, N. A., ed. FOR THE UNITY OF ALL REVOLUTIONARY AND DEMOCRATIC FORCES. Materials of a Scientific Conference Devoted to the 30th. Anniversary of the 7th. Comintern Congress. 26 Jul 66, 196p. JPRS-36691.
Order from CFSTI or ETC: HC$5.00, MF$1.25
as TT-66-33122

Trans. of mono. Za Edinstvo Vsekh Revolyutsionnykh i Demokraticheskikh Sil, Moscow, 1966 246p.

TT-66-33125 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL: TRANSLATIONS NO. 364. 26 Jul 66, 12p. JPRS-36694.
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TT-66-33127 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 219. 26 Jul 66, 27p. JPRS-36696.
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TT-66-33131 Field 5D

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TT-66-33175 Field 5D

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TT-66-33193 Field 5D, 5F, 5D, 5I, 2B

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IRAN: PRESS INFORMATION REPORT NO. 5. 2 Aug 66, 45p. JPRS-36764.
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TT-66-33199 Field 5D

CUBA: TRANSLATIONS NO. 457. Mexican Newsman Evaluates Castro's Cuba. 2 Aug 66, 19p. JPRS-36768.
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TT-66-33209 Field 5D, 5K, 2B

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TT-66-33260 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 365. 3 Aug 66, 31p. JPRS-36830
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Pak Tong-un.
GOVERNMENT STRUCTURE IN NORTH KOREA. 8 Aug 66, 110p. JPRS-36881.
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Trans. of mono. Pukhan Tongchi Kiguron, Seoul, 1964 p23-35, 41-5, 49-56, 62-7, 72-7, 82, 87-102, 107-37, 147-50, 160-6, 173-6, 183-6, 190-6.

TT-66-33413 Field 5D, 5C, 5A

COMMUNIST CHINA DIGEST NO. 172. 15 Aug 66, 152p. JPRS-36983.
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TT-66-33452 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 222. 16 Aug 66, 17p. JPRS-37022.
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TT-66-33474 Field 5D, 5I

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ALBANIA: PRESS INFORMATION REPORT NO. 180. 16 Aug 66, 22p. JPRS-37048.
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TT-66-33479 Field 5D, 5C

CZECHOSLOVAKIAN PROVINCIAL PRESS (21-26 JUN 1966): SUMMARY NO. 366. 16 Aug 66, 20p. JPRS-37049.
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TT-66-33486 Field 5D, 5C

CUBA: TRANSLATIONS NO. 467. 16 Aug 66, 37p. JPRS-37056.
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TT-66-33488 Field 5D

PRAVDA EDITORIALS (6, 8, 12-13 AUG 66): TRANSLATIONS NO. 664. 16 Aug 66, 14p. JPRS-37059.
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POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 223. 17 Aug 66, 19p. JPRS-37066.
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F. Humanities

TT-66-33100 Field 5F, 5D

RED FLAG, NO. 9, 1966: TRANSLATIONS NO. 33. 25 Jul 66, 86p. JPRS-36669.
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TT-66-33145 Field 5F

Skukurov, N.
ANTI-RELIGIOUS MOTIFS IN TURKMEN FOLKLORE. 27 Jul 66, 5p. JPRS-36714.
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Trans. from Turkmenskaya Iskra (USSR) 26 May p3 1966.

TT-66-33207 Field 5F, 5D, 5C

ALBANIA: PRESS INFORMATION REPORT NO. 177. 2 Aug 66, 34p. JPRS-36776.
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TT-66-33316 Field 5F, 5I

Sokolov, N.; Belous, S.
NEED FOR SPECIAL ATHEIST COURSES FOR STUDENTS OF HIGHER EDUCATION INSTITUTIONS. 8 Aug 66, 6p. JPRS-36886.
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Trans. from Sovetskaya Rossiya (USSR) 6 Jul p3 1966.

TT-66-33420 Field 5F

PROBLEMS OF RELIGION AND IDEOLOGY IN THE USSR. 15 Aug 66, 24p, refs. JPRS-36990.
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Trans. of Nauka i Religiya (USSR) n5 p2-3, 13-23 1966.

TT-66-33466 Field 5F

Aristova, T. F.
RELIGIOUS BELIEFS OF THE KURDISH PEOPLE OF THE USSR. 16 Aug 66, 11p, refs. JPRS-37036.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of mono. Kurdy Zakavkazya, Moscow, 1966 p168-77. Kurds of the Transcaucasus.

G. Linguistics

TT-66-32756 Field 5G, 9B, 6D

Kokin, Lev.
BUILDING COMPUTERS THAT HEAR AND SPEAK. 6 Jul 66, 8p. JPRS-36324.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32756

Trans. of Ogonek (USSR) n12 p14-5 1966.

I. Personnel selection, training and evaluation

TT-65-30760 Field 5I, 20K, 20D, 12B

PROGRAMMED INSTRUCTION AT SOVIET HIGHER SCHOOLS: TRANSLATIONS. 19 Apr 65, 35p. JPRS-29639.
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as TT-65-30760

Trans. of Vestnik Vysshei Shkoly (USSR) v22 n10 p12-34 1964.

TT-66-31091 Field 5I

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TT-66-32531 Field 5I, 5K, 6E

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 351. 21 Jun 66, 86p. JPRS-36097.
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TT-66-32639 Field 5I, 6E

Kalmykova, K.
NEWS OF SOVIET SCIENCE EDUCATION. 27 Jun 66, 9p.

JPRS-36206.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-32639

Trans. from Pravda, Moscow (USSR) 14 May p4 1966 and from Meditsinskaya Gazeta (USSR) 13 May p2 1966.

TT-66-32834 Field 5I, 5K, 6E

THE NEAR EAST: TRANSLATIONS NO. 3. United Arab Republic Police College. 11 Jul 66, 51p. JPRS-36402.
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Partial trans. of mono. Kulliyyat al-Shurtah, Cairo, n. d. 150p.

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AFRICA: TRANSLATIONS NO. 398. 14 Jul 66, 30p. JPRS-36489.
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TT-66-33047 Field 5I, 5A, 2B

USSR LABOR: TRANSLATIONS NO. 118. 22 Jul 66, 48p. JPRS-36616.
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SOVIET EDUCATION: TRANSLATIONS NO. 27. 22 Jul 66, 113p. JPRS-36622.
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TT-66-33150 Field 5I

Dorokhova, G. A.
ADMINISTRATION OF PUBLIC EDUCATION. 28 Jul 66, 158p. JPRS-36719.
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Trans. of mono. Upravlenie Narodnym Obrazovaniem, Moscow, 1965 178p.

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SOVIET EDUCTION: TRANSLATIONS NO. 30. 1 Aug 66, 34p. JPRS-36752.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-33222 Field 5I

Metev, V.; Stankov, B.
THE 'VITOSHA M-3' TEACHING MACHINE. 2 Aug 66, 8p. JPRS-36791.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33222

Trans. of Narodna Prosveta (Bulgaria) n4 p98-100 1966.

TT-66-33231 Field 5I, 5C

USSR LABOR: TRANSLATIONS NO. 119. 3 Aug 66, 16p. JPRS-36801.
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TT-66-33236 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 31. 3 Aug 66, 60p. JPRS-36806.
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TT-66-33421 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 34. 15 Aug 66, 38p. JPRS-36991.
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TT-66-33449 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 35. 16 Aug 66, 20p. JPRS-37019.
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SOVIET EDUCATION: TRANSLATIONS NO. 36. 16 Aug 66, 32p. JPRS-37024.
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as TT-66-33454

J. Psychology (Individual and group behavior)

TT-66-33005 Field 5J, 15-

Yakovlev, B.; Leonov, A.
SOVIET DENOUNCE USE OF MISINFORMATION AS A WEAPON OF PSYCHOLOGICAL WARFARE. 19 Jul 66, 5p. JPRS-36574.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as
TT-66-33005

Trans. from Pravda, Moscow (USSR) 25 Jun p3 1966.

K. Sociology

TT-66-32641 Field 5K, 5I, 6E

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 353. 27 Jun 66, 60p. JPRS-36208.
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TT-66-32694 Field 5K, 6E

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 354. 29 Jun 66, 20p. JPRS-36261.
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TT-66-32717 Field 5K, 5D, 6E

SOVIET LAW AND SOCIAL REGULATIONS: TRANSLATIONS NO. 10. 30 Jun 66, 47p. JPRS-36284.
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TT-66-32718 Field 5K, 5I

PRAVDA EDITORIALS (26-27 JUN 66): TRANSLATIONS NO. 639. 30 Jun 66, 9p. JPRS-36286.
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06 BIOLOGICAL AND MEDICAL SCIENCES

TT-66-32514 Field 6-

USSR SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCE NO. 20. 20 Jun 66, 99p. JPRS-36080.
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TT-66-32571 Field 6-

USSR SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCE NO. 21. 23 Jun 66, 174p. JPRS-36137.
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TT-66-32724 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 42. 30 Jun 66, 107p. JPRS-36292.
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TT-66-32820 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 43. 8 Jul 66, 116p. JPRS-36388.
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TT-66-32830 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 112. 11 Jul 66, 85p. JPRS-36398.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32830

A. Biochemistry

TT-66-10210 Field 6A

Lang, K.
5'-RIBONUCLEOTIDES. 5p.
Available on loan from SLA as TT-66-10210

Trans. of unidentified German publication, 15 May 1963.

TT-66-12540 Field 6A, 6E

Ramorino, M. L.; Luzietti, L.; Campioni, N.
EFFECTS OF CHOLECYSTOKININ ON THE BILIGENETIC ACTIVITY OF THE LIVER. 9p, 9refs.
Order from SLA: $1.10 as TT-66-12540

Trans. of Folia Endocrinologica (Italy) v14 p266-71 1961.

TT-66-13011 Field 6A, 11L

Schoenhuth, O.; Peon, R.; Kuenstler, G.
FODDER YEAST PRODUCED FROM EUCALYPTUS SULPHITE WASTE LIQUOR. 4p.
Order from SLA: $1.10 as TT-66-13011

Trans. of das Papier (West Germany) v20 n4 p171-3 1966.

TT-66-23826 Field 6A

Niemierko, S.
THE OCCURRENCE AND PROPERTIES OF ACETYL-CHOLINESTERASE. 12p.
Order from ETC: $1.60 as TT-66-23826

Trans. of Postepy Biochemii (Poland) v11 n2 p247-63 1965.

TT-66-57010/2 Field 6A

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D. Bionics

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E. Clinical medicine

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-64-51698

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Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-65-31573

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-33461

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-33937

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Order from CFSTI: $5.00 as TT-65-50023/6

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Order from CFSTI: $5.00 as TT-65-500023/12

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TT-65-50302/4 Field 6E, 5I, 5C

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Order from SLA: $1.10 as TT-66-12495

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Order from SLA: $1.10 as TT-66-12536

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Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-30741 Field 6E, 6R

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TT-66-32591 Field 6E, 5I, 5A

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32591

TT-66-32733 Field 6E, 18B, 5I, 6J, 6O

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Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-32733

Trans. of Klinicheskaya Meditsina (USSR) v44 n4 154p 1966.

TT-66-32748 Field 6E, 5I, 6O

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32748

TT-66-32757 Field 6E

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Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v21 n3 p3-95 1966.

TT-66-32789 Field 6E, 6A, 6O

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 21, NO. 4, 1966. 7 Jul 66, 136p, refs. JPRS-36357.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-32789

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-32813 Field 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32813

TT-66-32826 Field 6E

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TT-66-32858 Field 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.75
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TT-66-33002 Field 6E

Kurtsin, I. T.
THE MODERN STATE OF THE THEORY OF CORTICO-VISCERAL PATHOGENESIS OF GOITER DISEASE.
19 Jul 66, 26p. JPRS-36571.
Order from CFSTI or ETC: HC$1.00 MF$0.50 as TT-66-33002

Trans. of mono. Problemy Neyro-Endokrinnoi Regulyatsii, Leningrad/Moscow, 1966 p3-22, 114-5.

TT-66-57006/1 Field 6E, 6M, 6A, 6T, 6O

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Order from CFSTI: $4.00 as TT-66-57006/1

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TT-66-57006/2 Field 6E, 6M, 18B, 6C, 6A, 6O

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Order from CFSTI: $4.00 as TT-66-57006/2

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TT-66-60123 Field 6E, 6C

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ABL-Trans-1384; AD-625 644.
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TT-66-60129 Field 6E, 6M, 6C

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TT-66-60377 Field 6E

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ENAMEL SOLUBILITY OF DECIDUOUS AND PERMANENT TEETH. 4 Jan 66, 13p, 14refs. FTD-TT-65-1357; AD-627 123.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-61045 Field 6E

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CLINICAL USE OF TRANSFUSIONS OF ERYTHROCYTES PRESERVED BY SUPER-RAPID FREEZING. Tr. by Z. Knowles. 1966, 7p, refs. NIH-3-33-66.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61045

Trans. of Problemy Gematologii Perelivaniya Krovi (USSR) v10 n10 p38-43 1965.

F. Environmental biology

TT-65-30176 Field 6F, 6C, 6E

Novokreshchenova, N. S.; Kuznetsova, G. S.
ECOLOGICAL PECULIARITIES OF THE FLEAS OF RHOMBOMYS OPIMUS AT THE SITE OF ENDEMIC PLAGUE EPIZOOTICS. 22 Jan 65, 20p, 25refs. JPRS-28401.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-30176

Trans. of Zoologicheskii Zhurnal (USSR) v43 n11 p1638-47 1964.

H. Food

TT-66-60352 Field 6H

Mazur, P. Ya.; Fedorova, M. D.
INFLUENCE OF VARIOUS ADDITIVES ON MOISTURE EQUILIBRIUM OF BREAD. Dec 65, 8p, 7refs. FSTC-381-T65-647; AD-627 010.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 010

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-60949 Field 6H

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DEHYDRATED FRUIT AND VEGETABLES. Feb 66, 32p. FSTC-HT-23-2-66; AD-630 844.
Order from CFSTI or ETC: HC$3.60, MF$0.50
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TT-66-60951 Field 6H, 7C

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FSTC-HT-23-16-66; AD-630 846.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as
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TT-66-60960 Field 6H, 7C

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THE USE OF SOY-BEAN AND PEA FLOUR IN THE FERMENT METHOD FOR IMPROVING THE WHEAT BREAD QUALITY.
Mar 66, 11p, 4refs. FSTC-HT-23-46-66; AD-630 855.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as
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I. Hygiene and sanitation

TT-66-60501 Field 6I, 6E

Minkh, A. A.
AIR IONIZATION AND ITS HYGIENIC IMPORTANCE. 1965, 106p. Trans-628; AD-627 999.
Order from CFSTI or ETC: HC$4.00, MF$0.75
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Trans. of mono. Ionizatsiya Vozdukha i Ee Gigienicheskoe Znachenie, Moscow, 1958.

J. Industrial (occupational) medicine

TT-66-11470 Field 6J, 9C

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QUANTITATIVE INVESTIGATION OF CURRENT STRENGTH, DURATION AND ROUTING IN AC ELECTROCUTION ACCIDENTS INVOLVING HUMAN BEINGS AND ANIMALS: THEIR EVALUATION AND APPLICATION TO POWER INSTALLATIONS. Dissertation. 56p.
Order from SLA: $5.60 as TT-66-11470

Trans. of Technische Hochschule, Brunswick. Thesis. 1963 Sec 4-5.

TT-66-32773 Field 6J, 13L, 6R, 6T, 5I

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Order from CFSTI or ETC: HC$4.00, MF$0.75 as
TT-66-32773

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v10 n4 p3-64 1966.

L. Medical and hospital equipment

TT-64-31859 Field 6L, 6E

RECENT DEVELOPMENTS IN MEDICAL INSTRUMENTS.
27 Jul 64, 49p, 11refs. JPRS-25587.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as
TT-64-31859

Trans. of Perdovoi Nauchno-Tekhnicheskii i Proizvodstvennyi Opyt (USSR) 1962 Tema 80, no. PM-62-7 28p.

M. Microbiology

TT-65-31857 Field 6M, 21D

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-51110 Field 6M, 2C

Krasilnikov, N. A.
KEYS TO ACTIONOMYCETALES. Tr. by S. Nemchonok. 1966, 178p, refs. SFCSI-Agr(TT-66-51110).
Order from CFSTI: $5.00 as TT-66-51110

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TT-66-60104 Field 6M

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DYNAMICS OF A BACTERIAL AEROSOL IN THE DUST AND DROP PHASE. Tr. by Charles T. Ostertag, Jr. Jun 65, 12p, 9refs. ABL-Trans-1389; AD-625 515.
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TT-66-60112 Field 6M, 6A

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TT-66-60122 Field 6M

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O. Pharmacology

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TT-66-60389 Field 6P

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R. Radiobiology

TT-65-32010 Field 6R, 6C

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TT-66-31449 Field 6R

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Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-60359 Field 6R

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as
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T. Toxicology

TT-66-60368 Field 6T, 6C

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07 CHEMISTRY

TT-66-33087 Field 7-

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TT-66-33107 Field 7-

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TT-66-33292 Field 7-

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TT-66-33303 Field 7-

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TT-66-33453 Field 7-

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A. Chemical engineering

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PROCESS FOR THE PRODUCTION OF 1.2.4.5-TETRACHLOROBENZENE. 2p.
Order from SLA: $1.10 as TT-66-11310

Trans. of Patent (Poland) 47 895.
Patented to Instytut Przemysla Organicznego, Warsaw, Poland, granted 25 Jan 64, patent in force as of 19 June 62.

TT-66-11311 Field 7A

Ito, K.
PROCESS FOR THE PRODUCTION OF VINYL CHLORIDE AND ETHANE DICHLORIDE FROM CRACKED GAS OF HYDROCARBONS CONTAINING ACETYLENE, ETHYLENE AND THE LIKE. 6p (figs omitted).
Order from SLA: $1.10 as TT-66-11311

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Order from SLA: $1.10 as TT-66-11312

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CHLORINATION OF ETHANE. 22p.
Order from SLA: $2.60 as TT-66-11315

Trans. of Patent (Belgium) 636 443.
Patented to Vulcan Materials Co., Birmingham, Alabama, USA, filed 21 Aug 63 (Priority: U. S., 22 Aug 62).
Another trans. is available from SLA $2.60 as TT-65-12177, 25p.

TT-66-11449 Field 7A

PROCEDURE AND APPARATUS FOR THE PREPARATION OF METAL OXIDES. 27p.
Order from SLA: $2.60 as TT-66-11449

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TT-66-11475 Field 7A

INSTALLATION DESIGNED FOR THE EXECUTION OF SLOW CHEMICAL REACTIONS IN THE LIQUID PHASE, ESPECIALLY POLYCONDENSATIONS. 15p.
Order from SLA: $1.60 as TT-66-11475

Trans. of Patent (France) 1 351 484.
Patented to Firma Hans J. Zimmer Verfahrenstechnik, Germany, filed 6 Dec 62, granted 30 Dec 63 (priority: Germany, appl, Z 9, 160, 7 Dec 61).

TT-66-11476 Field 7A

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PROCESS AND APPARATUS FOR PREPARATION OF POLYCARBONAMIDES, ESPECIALLY BY REACTIONS OF THE CONDENSATION TYPE. 15p.
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Trans. of Patent (Belgium) 635 059.
Patented to Monsanto Chemical Co., USA, filed 17 July 63 (Priority: U. S., appl. No. 210,463, 17 July 62).

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Trans. of Patent (Japan) pub. 40-25 329.
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Order from SLA: $2.60 as TT-66-11491

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TT-66-11498 Field 7A

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TT-66-11501 Field 7A

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Order from SLA: $1.10 as TT-66-11510

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Patent application Showa 37-39, 657, cl 16 E 4, by Mitsubishi-Edogawa Kagaku Kogyo K. K., Tokyo, Japan, filed 15 Sep 62, pub. 10 Sep 65.

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Order from SLA: $1.10 as TT-66-11511

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TT-66-11517 Field 7A, 8G

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Order from SLA: $1.10 as TT-66-11517

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Order from SLA: $1.60 as TT-66-11518

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Available on loan from SLA as TT-66-11530

Trans. of Genie Chimique (France) v88 p122-7 1962.
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TT-66-11562 Field 7A

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PREPARATION OF BUTYRIC ALDEHYDES AND BUTYL ALCOHOLS BY THE OXO SYNTHESIS. 23p, 12refs.
Order from SLA: $2.60 as TT-66-11562

Trans. of Khimicheskaya Promyshlennost (USSR) n8 p652-8 1959.

TT-66-11566 Field 7A, 7C

Perchenko, A. A.; Goryacheva, G. A.; Marchenko, M. A.
OXIDATION OF PARAFFIN IN AN EXPERIMENTAL APPARATUS WITH THE ADDITION OF MANGANESE-POTASSIUM SOAPS. 9p, 7refs.
Order from SLA: $1.10 as TT-66-11566

Trans. of Masloboino Zhirovaya Promyshlennost (USSR) n2 p34-7 1962.

TT-66-11568 Field 7A

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PREPARATION OF A CATALYST FROM INORGANIC MANGANESE SALTS FOR THE OXIDATION OF PARAFFIN TO FATTY ACIDS. 9p, 7refs.
Order from SLA: $1.10 as TT-66-11568

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TT-66-11734 Field 7A, 7D, 12B

Ermakov, Yu. I.; Boreskov, G. K.; Slinko, M. G.; Skomorokhov, V. B.
KINETICS AND MATHEMATICAL MODELING OF THE SUSPENSION-POLYMERIZATION OF ETHYLENE ON CHROMIUM OXIDE CATALYST. 8p, 9refs.
Order from SLA: $1.10 as TT-66-11734

Trans. of Kinetika i Kataliz (USSR) v6 n5 p909-15 1965.

TT-66-11751 Field 7A, 20D

Siemes, W.; Weiss, W.
LIQUID MIXING IN NARROW BUBBLE COLUMNS (Flussigkeitsdurchmischung in Engen Blasensaulen) 20p, 9refs. ORNL-tr-118.
Order from SLA: $1.60 as TT-66-11751

Trans. of Chemie-Ingenieur-Technik (West Germany) v29 n11 p727-32 1957.

TT-66-11757 Field 7A, 13F

Irrgang, G. E.
TANK CARS FOR TRANSPORT OF INTENSELY COOLED LIQUEFIED GASES, PARTICULARLY METHANE. 5p.
Order from SLA: $1.10 as TT-66-11757

Trans. of Glasers Annalen (West Germany) v87 n6/7 p391-3 1963.

TT-66-11889 Field 7A

Mattison, E. L.; Wolfe, R.
PROCESS FOR THE RECOVERY OF LEAD FROM SLUDGES CONTAINING IT IN THE METALLIC STATE. 29p, 3refs.

Order from SLA: $1.60 as TT-66-11889

Trans. of Patent (France) 1 361 089.
Patent file No. 939,148, international cl C 22 b, by E. I. Du Pont de Nemours and Co., USA, filed 24 June 63, granted 6 Apr 64 (Priority: U. S., appl. No. 205,075, 25 June 62).

TT-66-11891 Field 7A

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METHOD FOR PRODUCTING TETRAETHYL LEAD. 7p (figs omitted).
Order from SLA: $1.10 as TT-66-11891

Trans. of Patent (Japan) pub. 39-25 114.
Patent application Showa 36-42,877, by Echiru Kagaku Kogyo K. K., Japan, filed 25 Nov 61, pub. 7 Nov 64.

TT-66-11892 Field 7A

Gudkov, S. F.; Ivanov, A. K.; Kornilov, V. F.; Lure, B. I.; Nalbandyan, A. B.
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Order from SLA: $1.60 as TT-66-11892

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TT-66-11894 Field 7A

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C10-C16 OXO ALCOHOLS AS FEEDS FOR THE MANUFACTURE OF SURFACE-ACTIVE AGENTS. 8p, 17refs.
Order from SLA: $1.10 as TT-66-11894

Trans. of Khimicheskaya Promyshlennost (USSR) n9 p663-5 1964.

TT-66-11905 Field 7A

Broich, F.; Hoefermann, H.; Hunsmann, W.; Simmrock, H.
AIR OXIDATION OF n-BUTANE INTO ACETIC ACID AND SOLVENTS. 17p, 4refs.
Order from SLA: $1.60 as TT-66-11905

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v16 n4 p284-7 1963.

TT-66-11906 Field 7A

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Order from SLA: $1.60 as TT-66-11906

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TT-66-11907 Field 7A

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TT-66-11911 Field 7A

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STABILIZATION OF ORGANIC MATERIALS BY CERTAIN DERIVATIVES OF ALKANOIC ACIDS, ESPECIALLY ESTERS OF HYDROQUINONES. 23p.
Order from SLA: $2.60 as TT-66-11911

Trans. of Patent (Belgium) 637 444.
Patented to J. R. Geigy S. A., 16 Sep 63 (Priority: U. S., 17 Sep 62).

TT-66-11912 Field 7A

Azbel, D. S.; Muzichenko, L. A.
CALCULATION OF REACTORS OF THE BUBBLE-CAP TYPE FOR THE LIQUID PHASE OXIDATION OF HYDROCARBONS. 19p, 11refs.
Order from SLA: $1.60 as TT-66-11912

Trans. of Khimicheskaya Promyshlennost (USSR) n12 p881-7 1964.
Another trans. is available from ATS $14.85 as ATS-23S82R, 16p.

TT-66-11913 Field 7A

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Order from SLA: $1.60 as TT-66-11913

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TT-66-11914 Field 7A

Hopff, H.; Luessi, H.; Gerspacher, P.; Hammer, E.
ON THE KNOWLEDGE OF SUSPENSION POLYMERIZATION: SUSPENSION POLYMERIZATION AS A MODEL OF STIRRING PROCESSES IN BINARY SYSTEMS. 14p, 13refs.
Order from SLA: $1.60 as TT-66-11914

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Order from SLA: $1.10 as TT-66-11930

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CATALYTIC ISOMERIZATION OF THE STRAIGHT-RUN GASOLINE HEAD FRACTIONS. 8p, 8refs.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33202

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Order from SLA: $1.60 as TT-66-12741

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Delimarskii, Yu. K.; Nazarenko, G. D.
SOLUBILITY OF METAL OXIDES IN MOLTEN BORAX. 8p, 22refs.
Order from SLA: $1.10 as TT-66-12755

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TT-66-12911 Field 7B

Pierron, P.
INVESTIGATIONS AS TO THE PREPARATION OF HYPOCHLORITES IN THE SOLID STATE AND A STUDY OF SOME OF THEIR PROPERTIES. 8p, 3refs.
Order from SLA: $1.10 as TT-66-12911

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THE PREPARATION OF BORIC ACID BY THE DECOMPOSITION OF BORATES WITH SULPHURIC ACID. 14p, 5refs.
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TT-66-13046 Field 7B, 11F

Aleksandrovskii, S. V.; Guskov, V. M.
INVESTIGATION OF THE REDUCTION OF TITANIUM TETRACHLORIDE BY SODIUM TO LOWER CHLORIDES. (Issledovanie Protsessa Vosstanovleniya Chetyrekhkhloristogo Titana Natriem do Nizshikh Khloridov). 19p (foreign text included) 7refs.
Order from SLA: $1.60 as TT-66-13046

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) v8 n6 p74-9 1965.

TT-66-13047 Field 7B

Epik, P. A.; Orochko, A. I.
DETERMINATION OF CHLORITES AND HYPOCHLORITES IN THEIR MIXTURES (Opredelenie Khloritov i Gipokhloritov v ikh Smesi). 10p (foreign text included) 2refs.
Order from SLA: $1.10 as TT-66-13047

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Roth, H.
ELEMENTARY MICRO-ANALYSIS OF ORGANIC BORON COMPOUNDS. 12p, 32refs.
Order from SLA: $1.60 as TT-66-13051

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Hofmann, A. W.
ON KNOWLEDGE OF PHOSPHORUS BASES. PREPARATION OF TRIETHYLPHOSPHINE. 5p.
Order from SLA: $1.10 as TT-66-13076

Trans. of Justus Liebigs Annalen der Chemie (Germany) v1 suppl. p2-7 1861.
Partial trans. of p1-61.

TT-66-13077 Field 7B

Carius, L.
ON ADDITIONS OF HYPOCHLOROUS ACID HYDRATE AND OF HYDROGEN PEROXIDE. 10p.
Order from SLA: $1.10 as TT-66-13077

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PREPARATION GLYCOLCHLORHYDRIN ACCORDING TO THE METHOD OF CARIUS. 3p.
Order from SLA: $1.10 as TT-66-13078

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Partial trans. of 37-42.

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Emich, F.
ON THE USE OF TEXTILE FIBERS IN THE MICROCHEMICAL ANALYSIS OF INORGANIC MATERIAL. 8p, 8refs.
Order from SLA: $1.10 as TT-66-13091

Trans. of Justus Liebigs Annalen der Chemie (Germany) v351 p426-32 1907.

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ON THIONYLCHLORIDES. 4p, 2refs.
Order from SLA: $1.10 as TT-66-13092

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Partial trans. of p173-86.

TT-66-13100 Field 7B

Tammann, G.
CARBONIC ACID. 7p, 2refs.
Order from SLA: $1.10 as TT-66-13100

Trans. of Annalen der Physik (Germany) v68 s3 p569-73 1899.
Partial trans. of p553-83.

TT-66-13102 Field 7B

Thenard, L. J.; Gay-Lussac, L. J.
MEMOIR ON HYDROFLUORIC ACID. 7p.
Order from SLA: $1.10 as TT-66-13102

Trans. of Annales de Chimie et de Physique (France) v69 p204-20 1809.

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Sainte-Claire Deville, H.; Caron, H.
CONCERNING MAGNESIUM. 12p, 3refs.
Order from SLA: $1.60 as TT-66-13105

Trans. of Annales de Chimie et de Physique (France) v67 s3 p340-9 1863.

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Mourlot, M. A.
EXPERIMENTS ON THE METALLIC SULFIDES. 7p, 5refs.
Order from SLA: $1.10 as TT-66-13107

Trans. of Annales de Chimie et de Physique (France) v17 s7 p527-32 1899.

TT-66-13109 Field 7B

Sabatier, P.; Mailhe, A.
ACTIONS OF METALLIC OXIDES ON THE PRIMARY ALCOHOLS. CLASSIFICATION OF THE OXIDE CATALYZERS FROM THE POINT OF VIEW OF THEIR FUNCTION. 10p, 4refs.
Order from SLA: $1.10 as TT-66-13109

Trans. of Annales de Chimie et de Physique (France) v20 p295-300, 340-2 1910.
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Mazzetti, C.
ON THE PREPARATION OF POTASSIUM CHLORATE BY DOUBLE DECOMPOSITION. 12p, 7refs.
Order from SLA: $1.60 as TT-66-13117

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TT-66-13120 Field 7B

Wegner, W.; Maiss, P.
ALKALIMETRIC DETERMINATION OF CHLORINE- AND BROMINE-WATER; INCLUDING COMMENTS CONCERNING IODINE SOLUTIONS (Alkalimetrische Bestimmung von Chlor und Bromwasser Nebst Anmerkung Betr. Jodloesungen). 8p, 8refs.
Order from SLA: $1.10 as TT-66-13120

Trans. of Archiv der Pharmazie (Germany) v262 p3-7 1924.

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Boreskov, G. K.; Khasin, A. V.; Starostina, T. N.
ISOTOPIC EXCHANGE OF OXYGEN ON SILVER FILMS.
Jan 66, 14p, refs. N66-16147; NASA-TT-F-9856.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-16147

Trans. of Akademiya Nauk SSSR. Doklady, v164 n3 p606-9 1965.

C. Organic chemistry

TT-65-14266 Field 7C

THE EFFECT OF SOLVENTS ON FREE RADICAL CHAIN REACTIONS. 6p, 5refs.
Order from SLA: $1.10 as TT-65-14266

Trans. of International Union of Pure and Applied Chemistry (IUPAC) Committee on Macromolecular Chemistry. Symposium on Macromolecules Sec. 3, Paper B2 Wiesbaden, 12-17 Oct 59.

TT-65-14267 Field 7C

Schulz, R. C.; Loeflund, I.
REACTIONS OF POLYACROLEINS WITH OTHER NATURAL OR SYNTHETIC POLYMERS. 6p, 18refs.
Order from SLA: $1.10 as TT-65-14267

Trans. of International Union of Pure and Applied Chemistry (IUPAC) Committee on Macromolecular Chemistry. Symposium on Macromolecules, Wiesbaden, 12-17 Oct 59, n.p., Sect. 4, Paper A8 n.d.

TT-65-50328 Field 7C

Sila, B.
AUTOOXIDATION PRODUCTS OF RESIN ACIDS FROM PICEA EXCELSA L (O Produktach Samoutlenlania Kwasow Zywicznych z Picea Excelsa L). 1965, 8p, 2refs. SFCSI-Agr(TT-65-50328).
Order from CFSTI: $1.00 as TT-65-50328

Trans. of Roczniki Chemii (Poland) v34 n3/4 p1155-60 1960.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-11323 Field 7C

Nerdel, F.
A NEW METHOD FOR THE INTRODUCTION OF FLUORINE INTO ORGANIC COMPOUNDS. 4p, 1ref.
Order from SLA: $1.10 as TT-66-11323

Trans. of Naturwissenschaften (West Germany) v39 n9 p209-10 1952.

TT-66-11371 Field 7C

Braun, J. von; Danziger, E.
THE PRIMARY DINITRO-, NITRO-NITRITE AND DIALDOXIME COMPOUNDS OF THE ALIPHATIC SERIES. II. DERIVATIVES OF THE HEPTANE SERIES AND THE SYNTHESIS OF PIMELALDEHYDE. Tr. by F. Hudswell and J. C. Waldron. Sep 65, 10p, 17refs. NP-tr-1333.
Order from SLA: $1.10 as TT-66-11371

Trans. of Chemische Berichte (Germany) v46 p103-10 1913.

TT-66-11401 Field 7C

Ziegler, K.
METAL ALKYLS: SUCCESSES AND FUTURE POSSIBILITIES IN INDUSTRIAL CHEMISTRY. 32p, 90refs.
Order from SLA: $3.60 as TT-66-11401

Trans. of Brennstoff-Chemie (West Germany) v45 n7 p194-200 1964.
Another trans. is available from TC $24.00 as TC-560, 24p.

TT-66-11441 Field 7C

Pechanec, V.; Horacek, J.
ELEMETAL ANALYSIS OF ORGANOMERCURY COMPOUNDS. I. MICRO AND SEMIMICRO DETERMINATION OF CARBON AND HYDROGEN. 10p, 17refs.
Order from SLA: $1.10 as TT-66-11441

Trans. of Collection of Czechoslovak Chemical Communications, v27 n1 p232-7 1962.

TT-66-11444 Field 7C, 7B

Chang, J. P.; Chang, Y. C.
MODIFICATION OF THE COMBUSTION METHOD IN THE MICRODETERMINATION OF CARBON AND HYDROGEN BY COVERING THE SAMPLE WITH AN OXIDIZING AGENT. 12p, 6refs.
Order from SLA: $1.60 as TT-66-11444

Trans. of Hua Hsueh Hsueh Pao (Chinese People's Republic) v29 p307-12 1963.

TT-66-11458 Field 7C

Yoshizawa, M.; Taguchi, S.
REACTION OF ACRYLAMIDE WITH GLYOXAL. 19p, 12refs.
Order from SLA: $1.60 as TT-66-11458

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n9 p1675-80 1965.

TT-66-11459 Field 7C

Kiuchi, H.; Yoshimura, K.
STUDIES ON THE AQUEOUS POLYMERIZATION OF ACRYLONITRILE. REPT. NO. 6. ELECTRON MICROSCOPIC OBSERVATIONS ON THE MECHANISM OF AQUEOUS SYSTEM PRECIPITATION POLYMERIZATION OF ACRYLONITRILE. 19p, 7refs.
Order from SLA: $1.60 as TT-66-11459

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n6 p1098-1102 1965.

TT-66-11461 Field 7C, 7B

Wang, H. L.
MICRODETERMINATION OF CARBON AND HYDROGEN IN VOLATILE AND NONVOLATILE SUBSTANCES AND IN ORGANIC COMPOUNDS CONTAINING ARSENIC, TIN, AND FLUORINE. 8p, 10refs.
Order from SLA: $1.10 as TT-66-11461

Trans. of Hua Hsueh Hsueh Pao (Chinese People's Republic) v30 p211-3 1964.

TT-66-11462 Field 7C

Chang, Y. C.; Huang, H. C.; Chang, J. P.
AN IMPROVED RAPID METHOD FOR THE DETERMINATION OF CARBON AND HYDROGEN IN ORGANIC COMPOUNDS. 8p, 11refs.
Order from SLA: $1.10 as TT-66-11462

Trans. of Hua Hsueh Hsueh Pao (Chinese People's Republic) v28 p75-9 1962.

TT-66-11464 Field 7C

Pechanec, V.
ELEMENTAL ANALYSIS OF ORGANOMERCURY COMPOUNDS. V. SIMULTANEOUS DETERMINATION OF CARBON; HYDROGEN, AND MERCURY. 9p, 13refs.
Order from SLA: $1.10 as TT-66-11464

Trans. of Collection of Czechoslovak Chemical Communications, v27 n8 p2009-14 1962.

TT-66-11465 Field 7C, 7D

Aihara, A.; Chiba, T.; Kawano, M.
A STUDY OF PHASE-TRANSITION IN CYCLOHEXANE-1,4-DIONE CRYSTALS IN RELATION TO ITS MOLECULAR CONFORMATIONS. 17p, 25refs.
Order from SLA: $1.60 as TT-66-11465

Trans. of Nihon Kagaku Zasshi (Japan) v86 n7 p708-13 1965.

TT-66-11483 Field 7C

Yanagida; Mitsui; Kitahara.
MANUFACTURING OF CONJUGATED DIENES. 7p.
Order from SLA: $1.10 as TT-66-11483

Trans. of Patent (Japan) pub. 40-13 932.
Patent application Showa 38-23 963, patented to Rikagaku Kenkyusho (Physical and Chemical Lab.), Japan, filed 13 May 63, pub. 6 Sep 65.

TT-66-11484 Field 7C

Sokolov, V. N.; Rappoport, L. Ya.; Poddubnyi, I. Ya.; Apukhtina, N. P.
ROLE OF WATER IN THE SYNTHESIS OF URETHANE POLYMERS BASED ON COMPLEX POLYESTERS. 6p, 9refs.
Order from SLA: $1.10 as TT-66-11484

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n7 p1258-63 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-11485 Field 7C

Mushkin, Yu. I.; Finkelshtein, A. I.
SYNTHESIS OF CYANOUREA FROM DICYANODIAMIDE. 1p, 4refs.

Order from SLA: $1.10 as TT-66-11485

Trans. of Zhurnal Organicheskoi Khimii (USSR) v1 n10 p1747-8 1965.

TT-66-11486 Field 7C

Kretov, A. E.; Momsenko, A. I.
REACTIONS OF CYANAMIDE WITH CHLORANHYDRIDES OF UNSUBSTITUTED ALIPHATIC ACIDS. 3p, 8refs.
Order from SLA: $1.10 as TT-66-11486

Trans. of Zhurnal Organicheskoi Khimii (USSR) v1 n10 p1734-6 1965.

TT-66-11492 Field 7C

Yamazaki, N.; Nishimura, T.; Dohi, M.; Kambara, S.
POLYMERIZATION OF POLAR MONOMERS BY COMPLEX CATALYSTS. REPT. NO. 2. POLYMERIZATION OF CHLOROPRENE WITH COMPLEX CATALYSTS. 31p (foreign text included) 23refs.
Order from SLA: $3.60 as TT-66-11492

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n5 p885-91 1965.

TT-66-11502 Field 7C

Yamazaki, N.; Sasaki, K.; Kamibara, S.
POLYMERIZATION OF VINYL CHLORIDE WITH COMPLEX CATALYSTS. 23p (foreign text included) 25refs.
Order from SLA: $2.60 as TT-66-11502

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n5 p881-5 1965.

TT-66-11554 Field 7C

Komori, S.; Karaki, T.
STUDIES ON REACTION BETWEEN HIGHER ALIPHATIC AMINES AND ETHYLENE OXIDE. PT. II. EFFECT OF TEMPERATURE ON THE REACTION OF ETHYLENE OXIDE WITH HIGHER ALIPHATIC AMINES IN THE ABSENCE OF CATALYST. 17p (figs omitted) 8refs.
Order from SLA: $1.60 as TT-66-11554

Trans. of Kogyo Kagaku Zasshi (Japan) v62 n4 p538-42 1959.

TT-66-11558 Field 7C

Tsuda, T.; Shimizu, T.; Yamashita, Y.
STUDIES ON THE SYNTHESIS OF ALIPHATIC POLYESTERS. PT VI. CATIONIC COPOLYMERIZATION OF BETA-PROPIOLACTONE AND BETA,BETA-DIMETHYL-BETA-PROPIOLACTONE WITH STYRENE. 18p, 2refs.
Order from SLA: $1.60 as TT-66-11558

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n12 p2145-9 1964. Paper presented at the annual meeting of the High Molecular Society (no. 13) June 64.

TT-66-11560 Field 7C

Dubini, M.; Montino, F.; Chiusoli, G. P.
REACTIVITY OFALLYL COMPLEXES OF NICKEL. REPT. 2. INTERMEDIATES IN THE REACTION WITH ACTIVATED OLEFIN: BIS-5-HEXENONITRILE NICKEL. 10p, 12refs.
Order from SLA: $1.10 as TT-66-11560

Trans. of la Chimica e l'Industria (Italy) v47 n8 p839-41 1965. Another trans. is available from CTS(Chem) $9.20 as CTS(Chem)-414, 10p.

TT-66-11563 Field 7C

Ogata, Y.; Tabusi, I.
THE HYDROGEN PEROXIDE OXIDATION OF ORGANIC COMPOUNDS. 45p, 182refs.
Order from SLA: $4.60 as TT-66-11563

Trans. of Yuki Gosei Kagaku Kyokai Shi (Japan) v18 n6 p368-77 1960.
Another trans. is available from TC: $28.00 as TC-1352, 44p.

TT-66-11564 Field 7C

Kreshkov, A. P.; Bykova, L. N.; Smolova, N. T.
ANALYSIS OF THE ISOMERS OF PHTHALIC ACID AND THEIR MIXTURES USING THE METHOD OF POTENTIOMETRIC TITRATION IN NON-AQUEOUS SOLUTIONS (Analiz Isomerov Ftalevoi Kisloty i ikh Smesei Metodom Potentsiometricheskogo Titrovaniya v Nevodnykh Rastvorakh). 10p (foreign text included) 3refs.
Order from SLA: $1.10 as TT-66-11564

Trans. of Plasticheskie Massy (USSR) n10 p49-51 1964.

TT-66-11576 Field 7C

Vassiliadis, A.
LANTHIONINE, THE FIRST AMINO ACID ISOLATED FROM WOOL. 2 Mar 66, 9p, 33refs. NIH-3-23-66.
Order from SLA: $1.10 as TT-66-11576

Trans. of Chemika Chronika (Greece) v27a p5-9 1962.

TT-66-11667 Field 7C

Maslennikov, A. S.; Poryvaeva, G. N.
A METHOD OF PYROCATECHOL DETERMINATION. 7p, 12refs.
Order from SLA: $1.10 as TT-66-11667

Trans. of Zhurnal Prikladnoi Khimii (USSR) v38 n6 p1327-31 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-11672 Field 7C

Schulz, G. V.; Roberts-Nowakowska, L.
THE BRANCHING OF POLYVINYLACETATE. PT IV. TEMPERATURE DEPENDENCE OF SOME TRANSFER CONSTANTS OF THE FREE-RADICAL POLYMERIZATION OF VINYL ACETATE. 9p, 5refs.
Order from SLA: $1.10 as TT-66-11672

Trans. of Makromolekulare Chemie (Switzerland) v80 p36-43 1964.
Another trans. is available from TC $7.50 as TC-544, 7p.

TT-66-11684 Field 7C

Barnaba, P.; Cordischi, D.; Lenzi, M.; Mele, A.
THE POLYMERIZATION OF TETRAFLUROETHYLENE OXIDE (Polimerizzazione dell'Ossido di Tetrafluroetilene). 19p (foreign text included) 10refs.

Order from SLA: $1.60 as TT-66-11684

Trans. of la Chimica e l'Industria (Italy) v47 p1060-3 1965.

TT-66-11686 Field 7C, 6A

Bodendorf, K.
ON UNSATURATED PEROXIDES. IN ADDITION TO A REPORT ON KNOWLEDGE OF AUTOXIDATION PROCESSES (Ueber Ungesaettigte Peroxyde. Zugleich ein Beitrag zur Kenntnis der Autoxydationsvorgaenge). 38p, 28refs.
Order from SLA: $3.60 as TT-66-11686

Trans. of Archiv der Pharmazie (Germany) v271 p1-35 1933.

TT-66-11709 Field 7C

Tsuboyama, S.; Tsuboyama, K.; Yanagita, M.
STUDIES ON OPTICALLY ACTIVE AMINOBUTANOL. PT. I. SYNTHESIS OF DIAMINES. 21p (refs omitted).
Order from SLA: $2.60 as TT-66-11709

Trans. of Rikagaku Kenkyujo Hokoku (Japan) v41 p194-200 1965.

TT-66-11772 Field 7C

Skwarski, T.
THE CARBOXYL GROUPS IN POLYETHYLENE TEREPHTHALATE (PET). 10p.
Order from SLA: $1.10 as TT-66-11772

Trans. of Polimery (Poland) v9 n3 p103-7 1964.

TT-66-11890 Field 7C

Larikov, E. I.; Zhigach, A. F.; Popov, A. F.; Kulikovskaya, T. N.; Vladytskaya, N. V.
THERMAL DECOMPOSITION OF ALKYLALUMINUM COMPOUNDS. 11p, 10refs.
Order from SLA: $1.60 as TT-66-11890

Trans. of Khimicheskaya Promyshlennost (USSR) n3 p171-4 1964.

TT-66-11904 Field 7C

Schneider, I. A.
OXIDATION OF METHANE AT HIGH TEMPERATURES. 8p, 7refs.
Order from SLA: $1.10 as TT-66-11904

Trans. of Academia Republicii Populare Romine. Studii si Cercetari de Chimie (Rumania) v11 n3/4 p325-30 1963.

TT-66-11908 Field 7C

Barre, R.; Repentigny, J. de.
SYNTHESIS OF ORGANOMAGNESIUM DERIVATIVES WITHOUT ETHER. 10p, 15refs.
Order from SLA: $1.10 as TT-66-11908

Trans. of Canadian Journal of Chemistry, v27b, p716-20 1949.

TT-66-11935 Field 7C

CHLORAL, TRICHLOROACETALDEHYDE. 15p.
Order from SLA: $1.60 as TT-66-11935

Trans. from mono. Beilstein's Handbuch der Organischen Chemie, 4th ed., E II 1, suppl. 2, v1 Berlin, 1941 p677-80.

TT-66-11953 Field 7C

Berton, A.
ANALYSIS OF PLASTICS AND OTHER ORGANIC SUBSTANCES BY GAS CHROMATOGRAPHY AND SELECTIVE GALVANIC DETECTION OF THEIR PYROLYSIS PRODUCTS. 15p. LA-TR-66-17.
Order from SLA: $1.60 as TT-66-11953

Trans. of Chimie Analytique (France) v47 n10 p502-11 1965.

TT-66-11955 Field 7C

Urbanski, T.; Slon, M.
THE NITRATION OF PARAFFIN HYDROCARBONS BY MEANS OF NITROGEN PEROXIDE. Tr. by J. M. Jacobs. Nov 65, 4p, 1ref. NP-tr-1374.
Order from SLA: $1.10 as TT-66-11955

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v204 p870-1 1937.

TT-66-11976 Field 7C

Matutano, L.
EXTRACTION OF SOME ACIDS BY ALIPHATIC AMINES. 54p, 59refs. ORNL-tr-1050.
Order from SLA: $5.60 as TT-66-11976

Trans. of Commissariat a l'Energie Atomique, Paris. Rept. (France) No. R-2760 1965.
Paris. University. Doctoral Thesis. 1964.

TT-66-12054 Field 7C

Tabata, Y.; Hamanoue, K.; Sobue, H.
CHLORINATION OF CIS- AND TRANS- POLYBUTADIENE IN CARBON TETRACHLORIDE SOLUTION. 11p (foreign text included) 11refs.
Order from SLA: $1.60 as TT-66-12054

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n12 p2154-6 1964.

TT-66-12057 Field 7C, 7D

Freidlin, L.; Balandin, A.; Fridman, G.; Lebedeva, A.
INVESTIGATION OF THE REACTION OF CATALYTIC SUBSTITUTION OF A HALOGEN BY HYDROXYL IN AROMATIC HYDROCARBONS. PT II. ON ACTIVATORS OF SILICA GEL. 16p, 10refs.
Available on loan from SLA: as TT-66-12057

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n4 p375-84 1945.
Other trans. are available from CFSTI or SLA $1.60 as TT-63-18681, 18p and $1.10 as TT-61-18887, 8p.

TT-66-12058 Field 7C, 7D

Freidlin, L.; Balandin, A.; Fridman, G.; Lebedeva, A.
MECHANISM OF VAPOR PHASE CATALYTIC SUBSTITUTION OF HALOGEN ATTACHED TO ARYL GROUP BY HYDROXYL. 11p, 17refs.
Available on loan from SLA: as TT-66-12058

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n2 p154-62 1945.

TT-66-12070 Field 7C

Korshak, V. V.; Sosin, S. L.; Chistyakova, M. M.
EFFECT OF ORGANIC AND INORGANIC PEROXIDES ON p-DIISOPROPYL BENZENE. 13p (foreign text included) 3refs.
Order from SLA: $1.60 as TT-66-12070

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n10 p1271 1957.

TT-66-12071 Field 7C

Freidlina, R. Kh.; Chukovskaya, E. Ts.
USE OF OXIDATION-REDUCTION SYSTEMS FOR INITIATION OF THE REACTION OF 1-OCTENE WITH CARBON TETRACHLORIDE (Primenenie Okislitel'no-Vosstanovitel'nykh Sistem dlya Initsiirovaniya Reaktsii Oktena-i s Chetyrekhkhloristym Uglerodom). 12p (foreign text included) 23refs.
Order from SLA: $1.60 as TT-66-12071

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n10 p1783-8 1962.

TT-66-12078 Field 7C

Barth, L.
ON THE ACTION OF FUSED KOH ON BENZOIC ACID. 7p.
Order from SLA: $1.10 as TT-66-12078

Trans. of Akademie der Wissenschaften, Vienna. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte (Austria) v66 p117 1872.

TT-66-12079 Field 7C, 7D

Desbarres, J.
ACIDITY IN ACETONITRILE. 15p, 23refs.
Order from SLA: $1.60 as TT-66-12079

Trans. of Societe Chimique de France. Bulletin, p2103-7 1962.

TT-66-12097 Field 7C

Biesalski, E.
FORMATION OF PHOSGENE BY PYROLYSES. 5p (figs, refs omitted).
Order from SLA: $1.10 as TT-66-12097

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Schlubach, H. H.; Elsner, H.; Prochownick, W.
DECOMPOSITION OF CELLULOSE ACCORDING TO A NEW METHOD. 18p (figs omitted) 15refs.
Order from SLA: $1.60 as TT-66-12098

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TT-66-12101 Field 7C

Schutz, F.
THIOGLYCOLIC ACID. 2p.
Order from SLA: $1.10 as TT-66-12101

Abstract trans. of Angewandte Chemie (Germany) v46 p780-1 1933.

TT-66-12204 Field 7C

Minisci, F.; Galli, R.; Pollina, G.
NEW SYNTHESES WITH AMINO RADICALS FROM N-CHLOROAMINES. 21p, 10refs.
Order from SLA: $2.60 as TT-66-12204

Trans. of la Chimica e l'Industria (Italy) v47 n7 p736-43 1965.

TT-66-12212 Field 7C

Sokolskaya, A. M.; Rechetnikov, S. M.
THE HYDROGENATION OF 3-SULFOLENE. 6p, 11refs.
Order from SLA: $1.10 as TT-66-12212

Trans. of Kinetika i Kataliz (USSR) v6 n3 p559-62 1965.

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Desbrandes, R.
ATTEMPTS TO CHARACTERIZE SOME HYDROCARBONS BY THEIR PHONON SPECTRA. 15p, 21refs.
Order from SLA: $1.60 as TT-66-12215

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TT-66-12217 Field 7C

Abadzheva, R. N.; Kucher, R. V.
INVESTIGATION ON THE LIQUID-PHASE OXIDATION OF NONENE-1. 8p, 20refs.
Order from SLA: $1.10 as TT-66-12217

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TT-66-12222 Field 7C

Yakubchik, A. I.; Tikhomirov, B. I.; Klopotova, I. A.; Mikhailova, L. N.
THE HYDRATION OF cis-1,4-POLYBUTADIENE IN THE PRESENCE OF SOLUBLE CATALYSTS. 3p, 11refs.
Order from SLA: $1.10 as TT-66-12222
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TT-66-12237 Field 7C

Kissin, Yu. V.; Tsvetkova, V. I.; Chirkov, N. M.
DETERMINATION OF THE ISOTACTICITY OF POLYPROPYLENE BY MEANS OF INFRA-RED SPECTROSCOPY. 3p, 11refs.
Order from SLA: $1.10 as TT-66-12237

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TT-66-12238 Field 7C

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FORMATION OF MOLECULAR COMPLEXES IN THE REACTIONS OF DIELS-ALDER SYNTHESIS. 4p, 4refs.
Order from SLA: $1.10 as TT-66-12238

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12303 Field 7C

Biyumberg, E. A.; Bulygin, M. G.; Emanuel, N. M.
OLEFIN OXIDE FORMATION MECHANISM IN REACTIONS IN THE LIQUID PHASE OXIDATION OF UNSATURATED HYDROCARBONS (Mekhanizm Obrazovaniya Okisei Olefinov v Reaktsiyakh Zhidkofaznogo Okisleniya Nepredel'nykh Uglevodorodov). 8p (foreign text included) 11refs.
Order from SLA: $1.10 as TT-66-12303

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TT-66-12304 Field 7C

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CONJUGATE OXIDATION OF UNSATURATED HYDROCARBONS AND OTHER ORGANIC COMPOUNDS AS A METHOD OF SYNTHESIZING OLEFIN OXIDES (Sopryazhennoe Okislenie Nepredelnykh Uglevodorodov i Drugikh Organicheskikh Soedinenii Kak Metod Sinteza Okisei Olefinov). 10p (foreign text included) 8refs.
Order from SLA: $1.10 as TT-66-12304

Trans. of Akademiya Nauk SSSR. Doklady, v167 n3 p579-82 1966.

TT-66-12330 Field 7C

Martin, H.; Abraham, K.
ANALYSIS OF HIGHLY FLUORINATED HYDROCARBONS USING FLUORINATED n-HEXANE AS AN EXAMPLE. 12p, 7refs.
Order from SLA: $1.60 as TT-66-12330

Trans. of Zeitschrift fuer Analytische Chemie (West Germany) v197 n2 p221-8 1963.

TT-66-12338 Field 7C

Annaheim, J.
OXYSULFOBENZIDE AND SEVERAL NEW DERIVATIVES THEREOF (Ueber Oxysulfobenzid und Einige Neue Derivate Desselben). 62p (foreign text included) 5refs.
Order from SLA: $6.60 as TT-66-12338

Trans. of Justus Liebig's Annalen der Chemie (Germany) v172 p28-61 1874.

TT-66-12510 Field 7C

Rudkovskaya, G. D.; Sokolova, T. A.; Koton, M. M.
STRUCTURE OF POLYDIMETHACRYLAMIDES. 5p, 9refs.
Order from SLA: $1.10 as TT-66-12510

Trans. of Akademiya Nauk SSSR. Doklady, v164 p1069-72 1965.

TT-66-12516 Field 7C

Yoshida, H.; Ionkawa, S.
REACTIONS OF XANTHIC ACID ESTERS WITH TERTIARY AMINES. 13p (foreign text included) 5refs.
Order from SLA: $1.60 as TT-66-12516

Trans. of Nihon Kagaku Zasshi (Japan) v86 n9 p950-4 1965.

TT-66-12571 Field 7C

Takagi, T.; Fukuzumi, K.
APPLICATION OF THIN LAYER CHROMATOGRAPHY TO OIL CHEMISTRY. I. CHROMATOGRAPHY OF SYNTHETIC SURFACTANTS BY SILICA PLATES. 12p (foreign text included) 7refs.
Order from SLA: $1.60 as TT-66-12571

Trans. of Yukagaku (Japan) v13 n10 p520-2 1964.

TT-66-12573 Field 7C

Tsuda, T.; Shimitzu, T.; Yamashita, M.
STUDIES ON THE SYNTHESIS OF ALIPHATIC POLYESTERS. PT VII. CATIONIC COPOLYMERICATION OF GAMMA-BUTYROLACTONE AND EPSILON-CAPROLACTONE. 15p, 11refs.
Order from SLA: $1.60 as TT-66-12572

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n12 p2150-3 1964.

TT-66-12576 Field 7C

Cherdron, H.; Ohse, H.
POLYMERIZATION OF LACTONES. REPORT 4. RING-OPENING COPOLYMERIZATION OF LACTONES WITH EXPOXIDES. 14p, 8refs.
Order from SLA: $1.60 as TT-66-12576

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Ito, K.; Baba, K.; Yamashita, Y.
ANIONIC COPOLYMERIZATION OF ACRYLAMIDE. 15p, 13refs.
Order from SLA: $1.60 as TT-66-12577

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n4 p703-6 1965. Paper presented at the meeting of the High Molecular Society (no. 13) June 64.

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Nishikawa, J.; Tanaka, T.; Murayama, Y.
FORMATION OF GLYOXAL BY THE NITRATION OF PARALDEHYDE. 19p (foreign text included) 7refs.
Order from SLA: $1.60 as TT-66-12579

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n10 p1873-7 1965.

TT-66-12583 Field 7C, 7D

Osberghaus, O.; Taubert, R.
MASS SPECTROMETRIC INVESTIGATIONS OF WALL REACTIONS OF ORGANIC MOLECULES AT HIGH TEMPERATURES. 35p, 16refs.
Order from SLA: $3.60 as TT-66-12583
Trans. of Zeitschrift fuer Physikalische Chemie, Frankfurt (West Germany) v4 p264-85 1955.

TT-66-12648 Field 7C

Yoshida, N.; Hibino, O.; Morita, S.
SYNTHESIS OF MALIC ACID FROM MALEIC ACID. PT II. 10p, (figs omitted) 1ref.
Order from SLA: $1.10 as TT-66-12648

Trans. of Kogyo Kagaku Zasshi (Japan) v53 n9 p339-401 1950.

TT-66-12649 Field 7C

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SYNTHESIS OF MALIC ACID FROM MALEIC ACID. PT. I. 9p (figs omitted) 3refs.

Order from SLA: $1.10 as TT-66-12649

Trans. of Kogyo Kagaku Zasshi (Japan) v53 n8 p361-3 1950.

TT-66-12653 Field 7C

Babor, K.; Kalac, V.; Tihlarik, K.
PREPARATION AND USES OF STARCH DIALDEHYDE. PT I. 18p (tables formulae refs omitted).
Order from SLA: $1.60 as TT-66-12653

Trans. of Listy Cukrovarniscke (Czechoslovakia) v80 n10 p265-69 1964.

TT-66-12679 Field 7C, 7A

Gundermann, E.
THE CHANGES OF CRUDE OIL BITUMENS IN THE PRESENCE OF CATALYTICALLY ACTIVE SUBSTANCES. 44p, 26refs.
Order from SLA: $4.60 as TT-66-12679

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v18 n10 p780-7 1965.

TT-66-12724 Field 7C

Kozorezov, Yu. I.; Kamakin, N. M.; Kostyleva, Z. A.; Prokhorov, G. V.
THE OXIDATION OF n-BUTANE-ISOBUTANIC MIXTURES. 4p, 7refs.
Order from SLA: $1.10 as TT-66-12724

Trans. of Zhurnal Prikladnoi Khimii (USSR) v38 n5 p1183-5 1965.

TT-66-12732 Field 7C

Canziani, F.; Zingales, F.
TRIPHENYLARSINIC IRIDIUM HYDRIDES. 8p, 13refs.
Order from SLA: $1.10 as TT-66-12732

Trans. of Istituto Lombardo di Scienze e Lettere. Rendiconti (Italy) v96a p513-22 1962.

TT-66-12734 Field 7C

Canziani, F.; Sartorelli, U.; Zingales, F.
HYDRIDO- AND CARBONYLHYDRIDOTRIPHENYL-ARSINEIRIDIUM COMPOUNDS. PT. II. 6p, 6refs.
Order from SLA: $1.10 as TT-66-12734

Trans. of Istituto Lombardo di Sienze e Lettere. Rendiconti (Italy) v99a n1 p21-9 1965.

TT-66-12736 Field 7C

Nesmeyanov, A. N.; PEREVALOVA, E. G.; Leonteva, L. I.; Ustynyuk, Yu. A.
FERROCENYLMETHYL MERCAPTAN AND METHYL (FERROCENYLMETHYL) SULFIDE. 4p, 5refs.
Order from SLA: $1.10 as TT-66-12736

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n9 p1696-7 1965.

TT-66-12748 Field 7C

Miklukhin, G. P.
THE STRUCTURE OF GLYOXAL AND FORMIC ACID. 5p, 21refs.
Order from SLA: $1.10 as TT-66-12748

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v21 n8 p987-8 1947.

TT-66-12761 Field 7C

Yasnitskii, B. G.; Ivanyuk, E. G.; Sarkisyants, S. A.
RESEARCH IN THE FIELD OF CHLORINATED ALDEHYDES. IV. CONDENSATION OF CHLORACETALDEHYDE DIMER-HYDRATE WITH OXY- AND METHOXY-DERIVATIVES OF BENZOL (Issledovaniya v Oblasti Khlorirovannykh Aldegidov. IV. Kondensatsiya Dimertidrata Khloratsetal-degida s Oksi- i Metoksiproizvodnymi Benzola). 16p (foreign text included) 8refs.
Order from SLA: $1.60 as TT-66-12761

Trans. of Zhurnal Organicheskoi Khimii (USSR) v1 p1848-53 1965.
In manuscript form.

TT-66-12765 Field 7C

Moshkina, R. I.; Nalbandyan, A. B.
OXIDATION OF METHANE TO FORMALDEHYDE INITIATED BY NITROMETHANE. 8p, 11refs.
Order from SLA: $1.10 as TT-66-12765

Trans. of Neftekhimiya (USSR) v4 n2 p286-9 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12766 Field 7C

CHLORAL. FORMATION AND THE PREPARATION OF CHLORAL AND CHLORAL HYDRATE. 25p.
Order from SLA: $2.60 as TT-66-12766

Trans. of mono. Beilstein's Handbuch der Organischen Chemie, 4th ed., v1, 3d suppl. Berlin, 1930/1949 p2663-770.

TT-66-12768 Field 7C

Otsuka, E.; Watanabe, H.
STUDIES ON FORMATION OF FORMALDEHYDE BY THE CATALYTIC OXIDATION OF METHANE. V. THE FORMATION OF FORMALDEHYDE BY THE NITRIC ACID CATALYST. 19p, 5refs.
Order from SLA: $1.60 as TT-66-12768

Trans. of Nenryo Kyokai Shi (Japan) v43 p118-24 1964.

TT-66-12780 Field 7C

Sergienko, S. R.; Medvedeva, V. D.; Petrova, A. A.; Chirova, E. V.
EFFECT OF THE LENGTH OF n-PARAFFIN CHAINS ON THE SELECTIVITY OF DEHYDROGENATION BY THE ZINC-CHROMIUM CATALYST. 8p (figs omitted) 3refs.
Order from SLA: $1.10 as TT-66-12780

Trans. of Akademiya Nauk Turkmenskoi SSR, Ashkhabad. Izvestiya. Seriya Fiziko-Tekhnicheskikh, Khimicheskikh i Geologicheskikh Nauk, n5 p61-8 1964.

TT-66-12781 Field 7C

Atavin, A. S.; Trofimov, B. A.
A METHOD FOR THE PREPARATION OF VINYL ETHER BY THE USE OF CALCIUM CARBIDE. 8p, 13refs.
Order from SLA: $1.10 as TT-66-12781

Trans. of Zhurnal Prikladnoi Khimii (USSR) v37 n12 p2706-8 1964.

TT-66-12782 Field 7C

Schiller, G.
SYNTHETIC FATS BASED ON FATTY ACIDS OF PARAFFIN. SUMMARY, ESPECIALLY ON CHEMICAL AND TECHNOLOGICAL PROBLEMS. 32p, 50refs.
Order from SLA: $3.60 as TT-66-12782

Trans. of Zeitschrift fuer Lebensmittel-Untersuchung und Forschung (West Germany) v88 p174-90 1948.

TT-66-12783 Field 7C

Asinger, F.; Eckoldt, H.; Richter, G.
CONTRIBUTION TO THE KNOWLEDGE OF THE PRODUCTS OF THE REACTION OF SULFUR DIOXIDE AND CHLORINE WITH ALIPHATIC HYDROCARBONS IN UVLIGHT. PT. VIII. RELATION OF THE SURFACE-ACTIVE AND DETERGENCY PROPERTIES OF THE EIGHT THEORETICALLY POSSIBLE ISOMERIC n-HEXADE-CANE SULFONATES TO THE POSITION OF THE SULFO-GROUP IN THE MOLECULE. 10p, 13refs.
Order from SLA: $1.10 as TT-66-12783

Trans. of Journal fuer Praktische Chemie (East Germany) s4 v2 n4 p233-42 1955.

TT-66-12784 Field 7C

PREPARATION OF CARBOXYLIC ACID NITRILES. 2p.
Order from SLA: $1.10 as TT-66-12784

Trans. of Unidentified mono. German Report. 19 Jan 37.

TT-66-12809 Field 7C

Sherwood, P.
NEWS IN PETROCHEMISTRY. 5p.
Order from SLA: $1.10 as TT-66-12809

Trans. of Chimie et Industrie (France) v93 n2 p125 1965.

TT-66-12812 Field 7C

Masthoff, R.; Vieroth, Ch.
REACTION OF BERYLLIUMDIMETHYL AND BERYLLIUM DIETHYL WITH AMMONIA. 4p, 5refs.
Order from SLA: $1.10 as TT-66-12812

Trans. of Zeitschrift fuer Chemie (East Germany) v5 n4 p142 1965.

TT-66-12824 Field 7C

Kaiser, C.; Pueschel, F.
HIGHER-MOLECULAR ALIPHATIC SULFONIC ACIDS. III. HIGHER MOLECULAR UNSATURATED SULFONIC ACIDS AND THE HYDROLYSIS OF THE 1,3-ALKANE-SULTONES. 5p, 12refs.
Order from SLA: $1.10 as TT-66-12824

Trans. of Chemische Berichte (West Germany) v97 n10 p2926-29 1964.
Partial trans. of p2926-33.

TT-66-12827 Field 7C

Pueschel, F.; Kaiser, C.
HIGHER-MOLECULAR ALIPHATIC SULFONIC ACIDS, II. 3-HYDROXY-N-ALKANE-SULFONIC ACIDS-(1) AND THEIR INNER ESTER (1.3-SULTONES). 7p, 14refs.
Order from SLA: $1.10 as TT-66-12827

Trans. of Chemische Berichte (West Germany) v97 n10 p2917-20 1964.
Partial trans. of p2917-25.

TT-66-12869 Field 7C

Drozdov, V. A.; Vlasova, E. G.
DETERMINATION OF ACETOXY GROUPS IN VARIOUS SUBSTITUTED ACETOXYSILANES BY TITRATION IN NONAQUEOUS MEDIA. 6p, 6refs.
Order from SLA: $1.10 as TT-66-12869

Trans. of Akademiya Nauk SSSR. Komissiya po Analiticheskoi Khimii. Trudy, v13 p187-91 1963.

TT-66-12875 Field 7C

Issleib, K.; Bruchlos, H.
BASICITY STUDIES OF ORGANOPHOSPHORUS COMPOUNDS. 13p, 35refs.
Order from SLA: $1.60 as TT-66-12875

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v316 n1/2 p1-11 1962.

TT-66-12879 Field 7C

Bacurova, E.
DETERMINATION OF N-HYDROCARBONS IN PETROLEUM AND MOTOR SPIRITS THROUGH THE ADSORPTION ON A TYPE 5A MOLECULAR SIEVE. 5p, 6refs.
Order from SLA: $1.10 as TT-66-12879

Trans. of Ropa a Uhlie (Czechoslovakia) v7 n6 p171-3 1965.

TT-66-12883 Field 7C

Vsevolozhskaya, E. V.; Morozova, O. E.; Petrov, A. A.
SELECTIVE ISOMERIZATION OF POLY-SUBSTITUTED CYCLOEPENTANES COMPOSED OF C7-C10. 11p, 10refs.
Order from SLA: $1.60 as TT-66-12883

Trans. of Neftekhimiya (USSR) v5 n3 p303-12 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12884 Field 7C

Delone, I. O.; Stukanova, L. N.; Petrov, A. A.
ISOMERIZATION OF BICYCLONAPHTHENES WITH ISOLATED RINGS IN THE COMBINATION OF THE DECALIN CHAIN. 10p, 9refs.
Order from SLA: $1.10 as TT-66-12884

Trans. of Neftekhimiya (USSR) v5 n3 p313-9 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12923 Field 7C

Simon, W.; Giacobbo, H.
THERMAL FRAGMENTATION AND STRUCTURE DETERMINATIONS OF ORGANIC COMPOUNDS (Thermische Fragmentierung und Strukturbestimmung Organischer Verbindungen). 15p (foreign text included) 33refs.
Order from SLA: $1.60 as TT-66-12923

Trans. of Chemie-Ingenieur-Technik (West Germany) v37 n7 p709-14 1965.

TT-66-12932 Field 7C, 7A

Neumann, H. J.
COLLOID CHEMISTRY STUDIES OF ASPHALTENES. 11p, 16refs.
Order from SLA: $1.60 as TT-66-12932

Trans. of Brennstoff-Chemie (West Germany) v46 n9 p275-6 1965.
Paper presented at the North-West-German Convention of University Chemistry Instructors, Clausthal-Zellerfeld, 12 June 65.

TT-66-12933 Field 7C, 7A

Vajta, L.; Vajta, S.
THE USABILITY OF BITUMEN AS FUNCTION OF ITS CHEMICAL STRUCTURE. 20p (1ref omitted) 9refs.
Order from SLA: $1.60 as TT-66-12933

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v18 n10 p787-91 1965.

TT-66-12937 Field 7C

Pedinelli, M.; Magri, R.; Randi, M.
THE AFFECT OF ALCOHOLS ON LEAD ALKYLS. 4p, 6refs.
Order from SLA: $1.10 as TT-66-12937

Trans. of la Chimica e l'Industria (Italy) v48 n2 p144 1966.

TT-66-12971 Field 7C

Babel, V. G.; Proskuryakov, V. A.; Itskovich, V. A.
THE OXIDATION OF HIGHER MONOCARBOXYLIC ACIDS BY ATMOSPHERIC OXYGEN. 7p, 4refs.
Order from SLA: $1.10 as TT-66-12971

Trans. of Zhurnal Prikladnoi Khimii (USSR) v38 n5 p1178-81 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12973 Field 7C

Agami, C.; Andrac-Taussing, M.; Prevost, C.
THE CONDENSATION OF ACRYLONITRILE WITH OLEFINS. EXPERIMENTAL AND THEORETICAL STUDIES OF A REACTION BY CIRCULAR ELECTRONIC PROCESS. 14p, 14refs.
Order from SLA: $1.60 as TT-66-12973

Trans. of Societe Chimique de France. Bulletin, n1 p173-7 1966.

TT-66-12974 Field 7C

Plonka, A. Yu.; Albrekht, V. M.
THE SYNTHESIS OF POLYIMIDES OF NAPHTHALENE-1,4,5,8-TETRACARBOXYLIC ACID. 3p (figs omitted) 3refs.
Order from SLA: $1.10 as TT-66-12974

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n12 p2177-8 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12976 Field 7C, 11I

Sokolov, L. B.; Kudim, T. V.
POLYCONDENSATION IN EMULSIONS. PT. III. EFFECT ON THE PHASE RATIO AND COMPOSITION IN THE EMULSION POLYCONDENSATION OF AROMATIC DIAMINES AND ACYL DICHLORIDES. 15p (figs omitted) 8refs.
Order from SLA: $1.60 as TT-66-12976

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n11 p1899-1904 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12977 Field 7C, 11I

Kuznetsov, G. A.; Gerasimov, V. D.; Fomenko, L. N.; Maklakov, A. I.; Pimenov, G. G.
THE NATURE OF THE TRANSITIONS IN POLYMETA-PHENYLENEISOPHTHALAMIDE. 10p (figs omitted) 6refs.
Order from SLA: $1.10 as TT-66-12977

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n9 p1592-6 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-12988 Field 7C

Androva, N. A.; Koton, M. M.; Moskvina, E. M.
THE SYNTHESIS OF NEW AROMATIC POLYIMIDES BASED ON THE DIANHYDRIDE OF 3,3', 4,4'-DIPHENYLTETRACARBOXYLIC ACID. 5p (figs omitted) 5refs.
Order from SLA: $1.10 as TT-66-12988

Trans. of Akademiya Nauk SSSR. Doklady, v165 n5 p1069-70 1965.

TT-66-13005 Field 7C

Huber, W.
NEW DEVELOPMENTS IN TITRIMETRY IN NON-AQUEOUS SOLUTIONS. 15p, 22refs.
Order from SLA: $1.60 as TT-66-13005

Trans. of Zeitschrift fuer Analytische Chemie (West Germany) v216 n2 p260-72 1966.

TT-66-13023 Field 7C

Hala, S.; Kuras, M.; Landa, S.
SEPARATION OF ADAMANTANE FROM PARAFFIN-BASED PETROLEUM. 9p, 9refs.
Order from SLA: $1.10 as TT-66-13023

Trans. of Neftekhimiya (USSR) v6 n1 p3-8 1966.

TT-66-13065 Field 7C

Jacobi, B.
THE COLLOID CHEMISTRY OF EMULSION POLYMERIZATION. 2p.
Order from SLA: $1.10 as TT-66-13065

Trans. of Angewandte Chemie (West Germany) v64 n19/20 p541 1952.
Excerpt trans. of p539-53.

TT-66-13071 Field 7C

Koester, R.
NEW PREPARATION OF TRIALKYLBORANES FROM ALUMINUM TRIALKYLS (Neues Herstellungsverfahren fuer Bortrialkyle aus Aluminium-Trialkylen). 4p, 7refs.
Order from SLA: $1.10 as TT-66-13071

Trans. of Angewandte Chemie (West Germany) v70 n12 p371-2 1958.

TT-66-13073 Field 7C

Loewig, C.
ON THE DECOMPOSITION OF ALCOHOL BY BROMINE. 9p.
Order from SLA: $1.10 as TT-66-13073

Trans. of Justus Liebigs Annalen der Chemie (Germany) v3 p288-95 1832 (sic).
Partial trans. of p288-310.

TT-66-13079 Field 7C

Perkin, W. H.
ACTION OF BENZYL CHLORIDE ON SODIUM METHYL SALICYLATE. 3p.
Order from SLA: $1.10 as TT-66-13079

Trans. of Justus Liebigs Annalen der Chemie (Germany) v148 p27-8 1868.
Partial trans. of p24-30.

TT-66-13080 Field 7C

Gorlainow, W.; Butlerow, A.
ON POLYOLENE AND THE CONVERSION OF ETHYLENE INTO ETHYL ALCOHOL. 6p.
Order from SLA: $1.10 as TT-66-13080

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Order from SLA: $1.10 as TT-66-11451

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Order from SLA: $1.10 as TT-66-11456

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Order from SLA: $1.10 as TT-66-11463

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Order from SLA: $3.60 as TT-66-11499

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Order from SLA: $1.60 as TT-66-11762

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Order from SLA: $1.10 as TT-66-11766

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Order from SLA: $2.60 as TT-66-11856

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Order from SLA: $1.10 as TT-66-11968

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Order from SLA: $1.60 as TT-66-11995

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TT-66-62039 Field 7D

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9 May 66, 6p, 11refs. FTD-TT-65-1044; AD-637 066.
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E. Radio and radiation chemistry

TT-65-50509 Field 7E, 13B

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SFCSI-AEC(TT-65-50509); AEC-tr-6492.
Order from CFSTI: $3.00 as AEC-tr-6492

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-65-64171 Field 7E

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Aug 65, 320p, refs. AEC-tr-6565.
Order from CFSTI or ETC: HC$7.00, MF$1.50
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TT-66-11103 Field 7E, 18B

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Order from SLA: $1.60 as TT-66-11103

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DETERMINATION OF THE TENSOR PARAMETERS OF PROTON-DEUTERON SCATTERING (INCIDENT BUNCH OF 22 MeV). Tr. by G. R. Riese. 5p, 6refs.
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TT-66-11755 Field 7E

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ON THE NATURE OF SURFACE RADIATION-INDUCED DEFECTS IN IRRADIATED SILICA-GEL. I. MECHANISM OF HYDROGEN ADSORPTION. 12p, 20refs.
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Order from SLA: $2.60 as TT-66-13144

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9 May 66, 8p, 6refs. FTD-TT-65-1172; AD-637 099.
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08 EARTH SCIENCES AND OCEANOGRAPHY

TT-65-32089 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 2. 18 Aug 65, 65p. JPRS-31593.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 55. 25 Jul 66, 11p. JPRS-36657.
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TT-66-33274 Field 8-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 45. 4 Aug 66, 74p. JPRS-36844.
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COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 59. 15 Aug 66, 15p. JPRS-36981.
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TT-66-33417 Field 8-

SOVIET CONFERENCES ON EARTH SCIENCES: SELECTED ARTICLES. 15 Aug 66, 11p. JPRS-36987.
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TT-66-33483 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 61. Astronomy Enthusiasts. 16 Aug 66, 8p. JPRS-37053.
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TT-66-33498 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 62. 17 Aug 66, 18p. JPRS-37069.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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A. Biological oceanography

TT-65-31806 Field 8A, 6E, 6O, 8H

Prosvirov, E. S.
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Order from CFSTI or ETC: HC$3.00, MF$0.75
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32869

TT-66-51061 Field 8A

Andriyashev, A. P.; ed.; Ushakov, P. V., ed.
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Order from CFSTI: $7.00 as TT-66-51061

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D. Geochemistry

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Order from SLA: $1.10 as TT-66-12496

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E. Geodesy

TT-64-19754 Field 8E, 13G

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TRANSACTIONS OF THE COMMISSION ON THE STUDY OF THE YAKUTSK AUTONOMOUS REPUBLIC. MATERIALS OF EXPEDITIONS TO THE ESTUARIES OF THE LENA RIVER AND THE OLENEK RIVER UNDER SUPERVISION OF MATISEN, F. A., IN 1920 AND YEVGENOV, N. I., IN 1921 (Trudy Komissii Po Izucheniyu Yakutskoy Avtonomnoy Sovetskoy Sotsialisticheskoy Respubliki. Materialy Ekspeditsiykh Ustyam Rek Leny i Olenka Pod Nachalstvom F. A. Matisena v 1920 Godu i N. I. Yevgenova v 1921 Godu). Tr. by W. L. Burton. May 62, 29p. ACIC-TC-487.
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TT-65-64741 Field 8E, 20G

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Trans. of Prikladnaya Geofizika (USSR) n37 p135-46 1963.

TT-66-61813 Field 8E

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STUDIES OF THE EARTH'S FIGURE WITHOUT USE OF THE NORMAL FIELD (Ob Izuchenii Figury Zemli bez Ispolzovaniya Normalnogo Polya). Tr. by D. Shalikashvili. Jul 66, 14p, 6refs. ACIC-TC-1078; AD-635 923.
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F. Geography

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Order from CFSTI: $4.00 as TT-65-50142

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TT-66-31609 Field 8F

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OVERSEAS NOTEBOOKS, GEOGRAPHY REVIEW: VOL. 7, NO. 68: SELECTED TRANSLATIONS. 25 Apr 66, 55p. JPRS-35172.
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TT-66-33487 Field 8F, 5D

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POLITICAL GEOGRAPHY. 16 Aug 66, 88p. JPRS-37057.
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G. Geology and mineralogy

TT-65-33860 Field 8G, 8F

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 9. 13 Dec 65, 27p. JPRS-33285.
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SFCSI-Agr(TT-65-50084).
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Order from SLA: $5.60 as TT-66-12681

Trans. of Fortschritte der Mineralogie (West Germany) v42 n1 p87-112 1965.

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Order from SLA: $1.10 as TT-66-12823

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TT-66-32999 Field 8G, 2B, 8F

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 330. 19 Jul 66, 65p. JPRS-36568.
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TT-66-33071 Field 8G

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H. Hydrology and limnology

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K. Seismology

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INFLUENCE OF THE SOURCE TYPE ON EMISSION OF DIFFRACTED SEISMIC ENERGY. 15p, 3refs.
Order from SLA: $1.60 as TT-65-14214

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THE RELATIONSHIP BETWEEN ATMOSPHERIC EXPLOSION PARAMETERS AND SEISMIC ENERGY. 20 Oct 65, 22p, 6refs. ATD-T-65-90; AD-623 554.
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A STUDY OF THE P AND S WAVES AT 5 - 30 DEGREES AND OF THE STRUCTURE OF THE EARTH'S MANTLE (I). Apr 66, 63p, 24refs. Emm-65-31; AD-636 919.
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L. Snow, ice and permafrost

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Mueller, G.
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Order from CFSTI or ETC: HC$1.00, MF$0.50
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M. Soil mechanics

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Grigoryan, S. S.
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Order from SLA: $1.10 as TT-66-12912

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N. Terrestrial magnetism

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Ollendorff, F.
QUASI-STATIONARY EARTH CURRENTS. 114p, (p23 omitted) 25refs.
Available on loan from SLA as TT-66-12201

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09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

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THE INITIAL OPERATING STAGE OF THE VOLGOGRAD-DONBASS DC TRANSMISSION. Tr. by Val S. Lava. 1965, 29p.
Order from CFSTI or ETC: HC$2.60, MF$0.50 as TT-65-63177

Trans. of Nauchno-Issledovatelskii Institut Postoyannogo Toka (USSR) v9 p5-27 1962.

TT-66-11314 Field 9A, 20C

PROCESS FOR THE MAKING OF MAGNETICALLY STABLE MANGANESE-ZINC-FERRITE CORES WITH A SMALL LOSS FACTOR FOR FREQUENCIES OF LESS THAN ABOUT 2 MEGACYCLES. 9p (figs omitted).
Order from SLA: $1.10 as TT-66-11314

Trans. of Patent (Netherlands) 64-09 959.
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Schaer, K.
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Order from SLA: $2.60 as TT-66-11382

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TT-66-11525 Field 9A

Kleefstra, M.
RESISTORS AND CAPACITORS OF THIN FILMS OF TANTALUM. 33p, 22refs.
Order from SLA: $3.60 as TT-66-11525

Trans. of Annales de Radioelectricite (France) v20 n81 p233-45 1965.

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Feldtkeller, E.
LOCKED ROTATIONAL PROCESSES IN THIN FERROMAGNETIC FILMS. 35p, 40refs.
Order from SLA: $3.60 as TT-66-11657

Trans. of Elektronische Rechenanlagen (West Germany) v3 n4 p167-75 1961.
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Feldtkeller, E.
'INVERSE' Ni-Fe FILMS. 4p, 14refs.
Order from SLA: $1.10 as TT-66-11658

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ELECTRICAL PROPERTIES OF InSb (p-n) JUNCTIONS. 3p, 7refs.
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Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v250 n22 p3608-10 1960.

TT-66-11678 Field 9A, 20F

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Order from SLA: $1.10 as TT-66-11678

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TT-66-11691 Field 9A

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Order from SLA: $1.10 as TT-66-11691

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Oehler, K.
A CONTRIBUTION TO THE THEORY OF CIRCUITS. 9p (figs omitted) 1ref.
Order from SLA: $1.10 as TT-66-12253

Trans. of Schweizerischer Elektrotechnischer Verein. Bulletin, v37 n11 p298-302 1946.

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Paresy, R.
THE THEORY OF TELEPHONE AND TELEGRAPH RELAYS. 99p.
Order from SLA: $8.60 as TT-66-12259

Trans. of Revue Generale de l'Electricite (France) v21 n1 p3-13; n2 p43-59 1927.

TT-66-12278 Field 9A, 20F, 17B

Schnabel, W.
INVESTIGATION OF FLUORESCENT MATERIALS FOR USE IN TELEVISION AND CATHODE RAY OSCILLOGRAPHS. 25p, 4refs.
Order from SLA: $2.60 as TT-66-12278

Trans. of Archiv fuer Elektrotechnik (Germany) v28 n12 p789-97 1934.

TT-66-12352 Field 9A

Veverka, A.; Wohlmuth, F.
INITIAL VOLTAGE OF SLIDING DISCHARGES ON CIRCULAR ELECTRODES Pocatecni Napeti Klouzavych Vyboju u Kruhovych Elektrod). 20 July 64, 14p, 3refs. SC-T-64-913.
Order from SLA: $1.60 as TT-66-12352

Trans. of Elektrotechnicky Obzor (Czechoslovakia) v52 n6 p284-7 1963.

TT-66-12380 Field 9A

Schroeter, F.
CONCERNING RARE GAS-VACUUM SAFETY FUSES. 16p, 1ref.
Order from SLA: $1.60 as TT-66-12380

Trans. of Zeitschrift fuer Technische Physik (Germany) v4 n5 p208-13 1923.
Paper presented at the Centennial of the German Society of Natural Philosophy and Physicians, Leipzig, 18 Sep 22.

TT-66-12390 Field 9A

Schroeter, F.
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Order from SLA: $3.60 as TT-66-12390

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Koch, W.
INVESTIGATION OF THE EFFECT OF THE CONNECTION OF GROUNDS ON GROUND LEAKAGE RELAYS. 25p (figs omitted).
Order from SLA: $2.60 as TT-66-13146

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Goffaux, R.
ON THE ELECTRICAL CONDUCTIVITY OF MICA SHEETS. 38p, 9refs.
Order from SLA: $3.60 as TT-66-13239

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Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61519

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v22 n10 p1552-5 1952.

TT-66-61520 Field 9A

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DETERMINING FAULT CURRENT COMPONENTS AND THE POWER FACTOR OF THE CIRCUIT DURING BREAKING CAPACITY TESTS ON SWITCHGEAR. 1966, 7p, 5refs. CE-Trans-4176.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61520

Trans. of Elektrichestvo (USSR) n12 p68-70 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61675 Field 9A

Askonazi, A. E.; Gurevich, M. A.; Sena, L. A.
AN INVESTIGATION OF BACK FIRING IN MERCURY CATHODE DEVICES. 1966, 18p, 5refs. CE-Trans-3705.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61675

Trans. of Elektrichestvo (USSR) n9 p37-44 1947.

TT-66-61681 Field 9A

SOVIET HIGH VOLTAGE TRANSMISSION LINES: SUMMARY OF DATA. 8 Jun 66, 64p, 155refs. ATD-66-63; AD-635 258.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-635 258

Surveys of Foreign Scientific and Technical Literature.

B. Computers

TT-65-30579 Field 9B, 12B, 5C

JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS, VOL. 4, NO. 6, 1964 (SELECTED ARTICLES). 24 Mar 65, 64p, 17refs. JPRS-29268.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-30579

Trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v4 n6 p1045-64, 1112-17, 1131-42 1964.
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TT-65-31438 Field 9B

Pshenichnii, B. N.; Malanovski, K.; Mikhelev, V. M.; Babetskii, G. I.; Gladun, V. P.
PROBLEMS IN OPTIMAL CONTROL, CODING, AND PROGRAMMING OF COMPUTERS. 3 Jul 65, 62p. JPRS-30939.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-31438

Trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v5 n2 p236-51, 311-25, 369-72 1965.

TT-66-12586 Field 9B

Meyer, P. A.
ON THE NUMERICAL COMPUTATION OF TRANSIENT PHENOMENA WITH THE AID OF RESIDUE CALCULATION. 16p, 7refs.
Order from SLA: $1.60 as TT-66-12586

Trans. of NTZ; Nachrichten Technische Zeitschrift (West Germany) v19 n3 p139-42 1966.

TT-66-12656 Field 9B

Pebay-Peyroula, J. C.; Simon, P.
CONSTRUCTION OF AN ELECTRONIC DIRECT-READING CORRELATOR (Realisation d'un Correlateur Electronique a Lecture Directe). 19p, 9refs.
Order from SLA: $1.60 as TT-66-12656

Trans. of Journal de Physique et le Radium (France) v15 n5 suppl. p101A-8A 1954.

TT-66-13240 Field 9B

Gross, M.
MATHEMATICAL LINGUISTICS AND PROGRAMMING LANGUAGES. 29p, 31refs.
Order from SLA: $2.60 as TT-66-13240

Trans. of Revue Francaise de Traitement de l'Information Chiffres, v6 p231-53 1963.
Paper presented at the Seminar on Symbolic Languages of the A.F.C.A.L.T.I. (Association Francaise de Calcul et de Traitement de l'Information) 11 Feb 63 and 25 Feb 63.

TT-66-33220 Field 9B, 12B

Rastrigin, L.
SECOND SYMPOSIUM ON EXTREMUM PROBLEMS IN RIGA. 2 Aug 66, 12p. JPRS-36789.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33220

Trans. of Akademiya Nauk Latviiskoi SSR, Riga. Izvestiya, n2 p119-27 1966.

TT-66-61740 Field 9B, 22C

Klikh, I. A.; Makarov, A. F.
INVESTIGATION OF THE TRAJECTORIES OF LOW-THRUST MATERIAL POINT MOTION ON AN ANALOG COMPUTER. 1966, 4p, 2refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61740

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n8 p1016-9 1965.

TT-66-61932 Field 9B

Anismov, B. V.; Chetverikov, V. N.
BASIC CHARACTERISTICS OF CERTAIN DOMESTIC ELECTRONIC COMPUTERS. 23 Feb 66, 29p. FTD-MT-66-01; AD-636 621.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-636 621

Edited machine trans. of mono. Osnovy Teorii i Proektirivaniya Tsifrovykh Vychislitelnykh Mashin, Moscow, 1965 p459-79.

TT-66-62035 Field 9B, 9C

Kagan, B. M.; Ter-Mikaelyan, T. M.
SOLVING ENGINEERING PROBLEMS BY DIGITAL COMPUTER. 15 Mar 66, 637p, 82refs. FTD-TT-1148; AD-637 061.
Order from CFSTI or ETC: HC$9.40, MF$2.50 as AD-637 061

Unedited rough draft trans. of mono. Reshenie Inzhenernykh Zadach na Tsifrovykh Vychisitelnykh Mashynakh, Moscow, 1964 592p.

TT-66-62053 Field 9B

HIGHER TECHNICAL SCHOOL. COMPUTER ENGINEERING (SELECTED ARTICLES). 9 May 66, 31p, 4refs. FTD-TT-65-1596; AD-637 110.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-637 110

Unedited rough draft trans. from Moskovskoe Vysshee Tekhnicheskoe Ucilishche. Vychislitelnaya Teknika (USSR) v4 p42-8, 53-67 1964.

C. Electronic and electrical engineering

TT-65-31942 Field 9C

RADIO ENGINEERING, VOL. 8, NO. 2, 1965: SELECTED ARTICLES. 6 Aug 65, 220p, 105refs. JPRS-31446.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-65-31942

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiotekhnika (USSR) v8 n2 p131-286 1965.

TT-66-11472 Field 9C

Nitta, T.
ELECTRICAL BREAKDOWN CHARACTERISTICS OF SULPHUR HEXAFLUORIDE. 19p (figs refs omitted).
Order from SLA: $1.60 as TT-66-11472

Trans. of Mitsubishi Denki Giho (Japan) v39 n8 p7-12 1965.

TT-66-11683 Field 9C, 9E

Labin, E.
THEORY OF SYNCHRONIZATION BY CONTROL OF PHASE. 24p, 2refs.
Order from SLA: $2.60 as TT-66-11683

Trans. of Philips Research Reports (Netherlands) v4 p291-315 1949.

TT-66-11738 Field 9C, 20C

Suzuki, K.; Kanaoka, S.
SHAPES AND PROPERTIES OF POT CORES. 8p, 4refs.
Order from SLA: $1.10 as TT-66-11738

Trans. of Tohoku Daigaku Kinzoku Kenkyu-Hokoku (Japan) v1 n1 p98-102 1963.

TT-66-11743 Field 9C, 20C

Kanaoka, S.; Kato, U.; Usui, J.; Akita, T.
DEVICE FOR ADJUSTMENT OF THE EFFECTIVE PERMEABILITY OF POT CORES. 6p, 5refs.
Order from SLA: $1.10 as TT-66-11743

Trans. of Tohoku Daigaku Kinzoku Kenkyu-Hokoku (Japan) v1 n1 p94-7 1963.

TT-66-12177 Field 9C, 20M

Fries, P.; Wendelin, R.
INVESTIGATION INTO THE HEAT DISSIPATION IN HEAVY CURRENT THYRISTORS. 7p (figs omitted) 2refs.

Order from SLA: $1.10 as TT-66-12177

Trans. of Siemens Zeitschrift (West Germany) v39 n12 p1304-6 1965.

TT-66-12264 Field 9C

Nottebrock, H.
NEW DEVELOPMENTS IN RESISTANCES, CONDENSERS, AND COILS (Neues ueber Widerstaende, Kondensatoren un Spulen). 32p (foreign text included) 1ref.
Order from SLA: $3.60 as TT-66-12264
Trans. of Siemens Zeitschrift (Germany) v18 n7 p329-38 1938.

TT-66-12276 Field 9C, 20F

PROJECTION APPARATUS FOR THE OSCILLOGRAPH. 3p.
Order from SLA: $1.10 as TT-66-12276

Trans. of Unidentified German mono., 1916.

TT-66-12358 Field 9C

Seil, H.; Widl, E.
A CONTRIBUTION TO THE PROTECTION OF REMOTELY-SUPPLIED COAXIAL CABLE SYSTEMS AGAINST THE EFFECT OF HIGH CURRENTS (Ein Beitrag zum Schutz Ferngespeister Koaxialkabelsysteme Gegen Starkstrom-Beeinflussung). Tr. by W. G. Stripp. Apr 64, 27p, 6refs. NP-tr-1159.
Order from SLA: $2.60 as TT-66-12358

Trans. of NTZ; Nachrichtentechnische Zeitschrift (West Germany) v16 n11 p569-77 1963.

TT-66-12493 Field 9C

Berard, A.
FUNCTIONING OF THE SILISTOR AT 50 HZ DIRECT AND ALTERNATING CURRENT (Fonctionnement du Silistor en Courant Continue et Alternatif 50 HZ). 13p.
Order from SLA: $1.60 as TT-66-12493

Trans. of Revue Generale d'Electronique (France) n206 p20-4 1964.

TT-66-12494 Field 9C

Berard, A.
LIQUID PARACONDUCTORS OF THE SILISTOR TYPE. 11p.
Order from SLA: $1.60 as TT-66-12494

Trans. of Revue Generale d'Electronique (France) n207 p15-9 1964.

TT-66-12581 Field 9C

Osnos, M.
ON THE THEORY AND OPERATION OF STATIONARY FREQUENCY CHANGERS. 6p (figs omitted).
Order from SLA: $1.10 as TT-66-12581

Trans. of Hochfrequenztechnik und Elektrocikustik (Germany) v13 n4 p280-6 1919.
Partial trans. of p280-99.

TT-66-12587 Field 9C

Schottky, W.; Stoermer, R.; Waibel, F.
ON THE RECTIFYING ACTION AT THE BOUNDARY BETWEEN CUPROUS OXIDE AND APPLIED METAL ELECTRODES. 60p, 6refs.
Order from SLA: $5.60 as TT-66-12587

Trans. of Hochfrequenztechnik und Elektroakustik (Germany) v37 n4 p162-7 n5 p175-87 1931.

TT- 66-12600 Field 9C

Neu, W.
A FREQUENCY SEPARATOR FOR MICROWAVES (Eine Frequenzweiche fuer Mikrowellen). 62p (figs omitted) 22refs.
Order from SLA: $5.60 as TT-66-12600
Trans. of Eidgenoessische Technische Hochschule, Zurich. Institut fuer Hochfrequenztechnik. Mitteilungen (Switzerland) n16 p5-55 1952.

TT-66-12689 Field 9C, 11I

A NEW FOIL OF ELECTRIC INSULATING MATERIAL. 5p.
Order from SLA: $1.10 as TT-66-12689
Trans. of Kunststoff-Technik und Kunststoff-Anwendung (Germany) v6 1936.

TT-66-12690 Field 9C

Paresy, R.
ELECTROLYSIS ON THE CABLES AT DIJON. 10p.
Order from SLA: $1.10 as TT-66-12690
Trans. of Annales des Postes, Telegraphes et Telephones (France) v14 n1 p67-73 1925.

TT-66-12695 Field 9C

Stoermer, H.
THE RELIABILITY OF SYSTEMS WITH RESERVE EQUIPMENT THAT REQUIRE ADDITIONAL SWITCHING PROVISIONS. 18p, 2refs.
Order from SLA: $1.60 as TT-66-12695
Trans. of Archiv dér Elektrischen Uebertragung (West Germany) v19 n9 p483-91 1965.

TT-66-12907 Field 9C

Koenig, H.
PERIODIC AND APERIODIC OSCILLATIONS OF SENSITIVE REGULATORS. 17p (figs omitted).
Order from SLA: $1.60 as TT-66-12907
Trans. of Zeitschrift fuer Technische Physik (Germany) v18 n11 p426-31 1937.

TT-66-13138 Field 9C

Petersen, W.
THE INTERMITTENT GROUND. 35p, 1ref.
Order from SLA: $3.60 as TT-66-13138
Trans. of ETZ; Elektrotechnische Zeitschrift. Ausgabe A. Zentralblatt fuer Elektrotechnik (Germany) v38 p553-66 1917.

TT-66-13142 Field 9C

Pelabon, H.
IMPERFECT CONTACTS. 36p, 6refs.
Order from SLA: $3.60 as TT-66-13142

Trans. of l' Onde Electrique (France) v6 p401-26 1927.

TT-66-13143 Field 9C

Pelabon, H.
THE MECHANISM OF RECTIFICATION IN THE CUPROUS

OXIDE RECTIFIER. 21p (figs omitted) 9refs.
Order from SLA: $2.60 as TT-66-13143

Trans. of l' Onde Electrique (France) v9 p229-44 1930.

TT-66-13150 Field 9C

Schroeter, F.
THE IMPORTANCE OF THE CARBON PROFILE IN MAKING CONTACT BETWEEN THE COLLECTOR AND THE CARBON BRUSHES IN ELECTRIC MACHINES. 15p.
Order from SLA: $1.60 as TT-66-13150
Trans. of Archiv fuer Elektrotechnik (Germany) v16 n5 p370-6 1926.

TT-66-13236 Field 9C

Poincelot, P.
THEORY OF THE COAXIAL LINE (Theorie de la Ligne Cozsiale). 20p, 23refs.
Order from SLA: $1.60 as TT-66-13236
Trans. of Cables et Transmission (France) v17 n4 p227-38 1963.

TT-66-13237 Field 9C

Fallou, M.
DIELECTRIC PERFORATION BY THERMAL INSTABILITY OF THE D.C. CABLES. 9p.
Order from SLA: $1.10 as TT-66-13237
Trans. of Revue Generale de l'Electricite (France) v68 n12 p693-5 1959.

TT-66-13238 Field 9C

Fallou, M.
NEW EXPERIMENTS ON D.C. CABLES WITH IMPREGNATED PAPER INSULATION. 20p (Discussion omitted) 4refs.
Order from SLA: $1.60 as TT-66-13238
Trans. of Revue Generale de l'Electricite (France) v74 n2 p177-86 1965.
Partial trans. of p177-190.

TT-66-33050 Field 9C, 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 3. 22 Jul 66, 17p. JPRS-36619.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33050

TT-66-33059 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 30. Electrical World. 22 Jul 66, 20p. JPRS-36628.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33059

TT-66-33072 Field 9C, 10A

SOCIALIST PLEDGES OF WORKERS IN THE MINISTRY OF POWER ENGINEERING AND ELECTRIFICATION USSR FOR 1966. 22 Jul 66, 8p. JPRS-36641.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33072
Trans. of Elektricheskie Stantsii (USSR) n6 p7-8 1966.

TT-66-33172 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 43. 29 Jul 66, 148p. JPRS-36741.
Order from CFSTI or ETC: HC$4.00, MF$1.00
as TT-66-33172

TT-66-33174 Field 9C, 14B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 4. 29 Jul 66, 15p. JPRS-36743.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33174

TT-66-33203 Field 9C, 10A, 13I

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 4. 2 Aug 66, 12p. JPRS-36772.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33203

TT-66-33237 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 31. 3 Aug 66, 30p. JPRS-36807.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33237

TT-66-33241 Field 9C

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 24. 3 Aug 66, 50p. JPRS-36811.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33241

TT-66-33259 Field 9C, 10A, 13I

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 5. 3 Aug 66, 22p. JPRS-36829.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33259

TT-66-33299 Field 9C, 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 6. 5 Aug 66, 8p. JPRS-36869.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33299

TT-66-33447 Field 9C, 14B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 5. 16 Aug 66, 10p. JPRS-37017.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33447

TT-66-33484 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 32. 16 Aug 66, 30p. JPRS-37054.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33484

TT-66-33490 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 44. 17 Aug 66, 103p. JPRS-37061.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-33490

TT-66-61094 Field 9C, 17B, 20E, 20L

CHICOM STATE-OF-THE-ART IN ELECTRONICS AREA: COMPILATION OF ABSTRACTS. 14 Jan 66, 16p, 15refs. ATD-66-6; AD-631 546.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 546

Based on CHICOM open-source materials pub. 1964-65. Rept. on Surveys of Chinese Communist Scientific and Technical Literature.

TT-66-61524 Field 9C

Panov, A. V.
USE OF A HIGHER FREQUENCY ON THE A.C. SIDE FOR THE TRANSMISSION OF HIGH-VOLTAGE DIRECT CURRENT. 1966, 3p, 3refs. CR-Trans-4235.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61524

Trans. of Elektrichestvo (USSR) n10 p67 1947.

TT-66-61672 Field 9C

Denisenko, G. I.
TWO CURRENTS ON ONE LINE (SIMULTANEOUS A.C. AND D. C. TRANSMISSION OVER COMMON LINES). 1966, 6p. CE-Trans-4258.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61672

Trans. of Energetik (USSR) v13 n8 p3-5 1965.

TT-66-61903 Field 9C

Motrokhin, Yu. M.
SOME QUESTIONS CONCERNING THE DYNAMICS OF A PROGRAM CONTROL SYSTEM WITH A REACTION STEP-BY-STEP MOTOR. 21 Mar 66, 9p, 2refs. FTD-TT-65-2046; AD-636 584.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 584

Unedited rough draft trans. of Universitet Druzhby Narodov, Moscow. Trudy (USSR) n2 p90-4 1964.

TT-66-61914 Field 9C, 9E

Wu Chi-shien.
A CRITICAL ANALYSIS OF COMPOSITE CONTACTLESS DYNAMIC SYSTEMS. 4 Apr 66, 14p. FTD-TT-65-1444; AD-636 589.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 589

Edited trans. of Tzu Tung Hua (Chinese People's Republic) v3 n3 p106-10 1960.

TT-66-61921 Field 9C

Lebedov, N. I.; Ovchinnikov, I. E.
A DIRECT CURRENT MOTOR WITH NO CONTACTS AND A TRANSISTOR COMMUTATOR. 21 Mar 66, 22p, 6refs. FTD-TT-65-2035; AD-636 610.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 610

Unedited rough draft trans. of Sbornik Rabot po Voprosom Elektromekhaniki (USSR) n9 p131-45 1963.

D. Information theory

TT-66-61823 Field 9D

Ville, J.
THEORY AND APPLICATION OF THE NOTION OF COMPLEX SIGNAL. Tr. by I. Selin. 1 Aug 58, 36p. T-92; AD-636 038.
Order from CFSTI or ETC: HC$3.60, MF$0.50 as AD-636 038
Trans. of unidentified French language mono., n.p., n.d.

TT-66-62038 Field 9D, 9B, 9E

POLYTECHNIC INSTITUTE, SCIENTIFIC PAPERS, AUTOMATION: SELECTED ARTICLES. 9 May 66, 5p, 6refs. FTD-TT-65-1089; AD-637 065.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-637 065
Edited trans. of Politechnika, Breslau. Zeszyty Naukowe (Poland) n85 p43-60, 77-85 1964.

E. Subsystems

TT-66-12261 Field 9E

Pages, A.
DESCRIPTION OF A LOW FREQUENCY AMPLIFIER OF HIGH SELECTIVITY. 15p.
Order from SLA: $1.60 as TT-66-12261

Trans. of l' Onde Electrique (France) v5 p276-83 1926.

TT-66-12561 Field 9E

Schottky, W.
VACUUM TUBE AMPLIFIERS. PT III. MULTIPLE GRID TUBES. 55p, 20refs.
Available on loan from SLA: as TT-66-12561

Trans. of Archiv fuer Elektrotechnik (Germany) v8 n9 p299-328 1919.

TT-66-61050 Field 9E, 8B, 9C, 17G

Karlov, G. M.
RESULTS OF A SYMPOSIUM ON APPLICATION OF ELECTRONIC TECHNOLOGY FOR THE MEASUREMENT OF DISTANCES. Mar 66, 10p. FSTC-HT-23-70-66; AD-631 277.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-631 277

Trans. of Geodeziya i Kartografiya (USSR) n11 p25-9 Nov 1965.

TT-66-61939 Field 9E, 9A, 20C

Jares, V.
CHANNEL PICTURE AMPLIFIERS. 23 May 66, 28p, 3refs. FTD-TT-65-1617; AD-636 650.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-636 650

Unedited rough draft trans. of Slaboproudy Obzor (Czechoslovakia) v24 n6 p356-63 1963.

TT-66-61942 Field 9E, 13H, 12A

Zilberman, B. Z.
THE CALCULATION OF AUTOMATIC CONTROL SYSTEMS. 23 May 66, 19p, 4refs. FTD-TT-65-1852; AD-636 654.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 654
Edited trans. of Avtomatyka (USSR) v9 n5 p3-14 1964.

TT-66-61947 Field 9E

Litvin-Sedoi, M. Z.
REALIZATION OF INVARIANCE IN NONLINEAR SERVO SYSTEMS WITH VARIABLE PARAMETERS. 25 May 66, 24p, 7refs. FTD-TT-65-1669; AD-636 661.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 661

Unedited rough draft trans. of mono. Teoriya Invariantnosti v Sistemakh Avtomaticheskogo Upravleniya, n.p., 1964 p126-34.
Vtorogo Vsesoyuznogo Soveshchaniya, Sosmoyavshegosya v Kieve -29 May-1 Jun 1962. Trudy.

10 ENERGY CONVERSION (NON-PROPULSIVE)

A. Conversion techniques

TT-66-33214 Field 10A, 11F, 9C

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 300. 2 Aug 66, 72p. JPRS-36783.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-33214

TT-66-33446 Field 10A, 9C

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 7. 16 Aug 66, 11p. JPRS-37016.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33446

TT-66-61525 Field 10A, 9C

Bazhanov, S. A.
TESTING THE WINDING INSULATION OF WATER-COOLED GENERATORS. 1966, 7p. CE-Trans-4195.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-66-61525

Trans. of Elektricheskie Stantsii (USSR) v36 n6 p53-5 1965.

TT-66-61665 Field 10A

Kotlya, I. V.
METHOD OF APPROXIMATION FOR CALCULATING TURBINE FLOW CHARACTERISTICS. 1966, 13p, 6refs. CE-Trans-4106.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
as TT-66-61665

Trans. of Energomashinostroenie (USSR) v11 n1 p24-8 1965.

TT-66-61676 Field 10A, 12A

Shubenko-Shubin, L. A.; Poznakhirev, V. F.
AN APPROXIMATE NUMERICAL METHOD OF CALCULATING A THREE-DIMENSIONAL FLOW IN A STEAM-TURBINE STAGE. 20 Apr 66, 13p, 8refs. ATD-66-48; AD-635 170.
Order from CFSTI or ETC: HC $4.00 MF$0.50
as AD-635 170
Trans. of Teploenergetika (USSR) v12 n11 p25-9 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Power sources

TT-66-61898 Field 10B, 7D

Pindy, F. V.
ION-EXCHANGE MEMBRANES: COMPILATION OF ABSTRACTS. 18 Apr 66, 31p. ATD-66-39; AD-636 506.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-636 506

Rept. on Surveys of Soviet Scientific and Technical Literature.

TT-66-61944 Field 10B

Rothardt, L.
MAGNETO-HYDRODYNAMIC GENERATORS OF THE HALL TYPE. 25 May 66, 14p, 8refs. FTD-TT-65-1825; AD-636 656.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 656

Unedited rough draft trans. of Beitrage aus der Plasmaphysik (Germany) v4 n1 p33-9 1964.

TT-66-62016 Field 10B, 13J

Panov, V. A.
MARINE ELECTRIC PLANTS AND CALCULATION OF THEIR POWER. Tr. by Lloyd G. Robbins. Jul 66, 96p, 35refs. Buships-Trans-992; AD-636 915.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as AD-636 915

Trans. of mono. Sudovye Elektrostantsii i Raschet ich Moshchnosti, Leningrad, 1965 129p.

C. Energy storage

TT-66-11689 Field 10C, 20L

Veith, H.
DIELECTRIC STRENGTH OF ELECTRIC CAPACITORS. 10p (some figs refs omitted) 3refs.
Order from SLA: $1.10 as TT-66-11689

Trans. of Frequenz (West Germany) v12 n11 p348-53 1958.

TT-66-12383 Field 10C

Palestrino, C.
A NEW TYPE OF LIGHT-WEIGHT STORAGE BATTERY. 21p.
Order from SLA: $2.60 as TT-66-12383

Trans. of Elettrotecnica (Italy) v12 n20 p484-7 1925.

TT-66-12711 Field 10C

Wiegand, O.
PLASTIC-INSULATED CAPACITORS. 9p (figs tables omitted) 1ref.
Order from SLA: $1.10 as TT-66-12711

Trans. of Siemens-Zeitschrift (West Germany) v37 n4 p339-41 1963.

TT-66-12906 Field 10C

A NEW ELECTRIC STORAGE BATTERY; THE ALMEIDA STORAGE BATTERY. 7p, 1ref.
Available on loan from SLA: as TT-66-12906

Trans. of Revue Generale de l'Electricite (France) v22 p329-30 1927.

11 MATERIALS

TT-66-33205 Field 11-, 11F, 13H

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 4. 2 Aug 66, 106p. JPRS-36774.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-33205

TT-66-60266 Field 11-

Belskii, E. I.
NEW MATERIALS IN ENGINEERING. 1965, 20p, 11refs.
Trans-1089; AD-626 701.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-626 701

Trans. of Unidentified mono., Minsk, 1964 p3-9, 43-55.

A. Adhesives and seals

TT-66-11528 Field 11A, 11B

Meier, W.
EXPERIMENTAL INVESTIGATIONS OF GLASS TO KOVAR AND GLASS TO MOLYBDENUM SEALS. 18p.
Order from SLA: $1.60 as TT-66-11528

Trans. of Sprechsaal (West Germany) v98 n12 p338-44 1965.

TT-66-12506 Field 11A, 9C

Kishii, T
THERMAL EXPANSION OF DUMET WIRES. 39p, 8refs.
Order from SLA: $3.60 as TT-66-12506

Trans. of Toshiba Review (Japan) v12 n3 p265-72 1957.

TT-66-12508 Field 11A, 11B

Kishii, T.
EQUIVALENT SETTING POINT OF GLASS-TO-METAL CYLINDRICAL SEALS. 21p, 15refs.
Order from SLA: $2.60 as TT-66-12508

Trans. of Toshiba Review (Japan) v13 n10 p1001-6 1958.

TT-66-12698 Field 11A, 11B

Kishii, T.
STRESSES IN DUMET-TO-GLASS SEALS. 25p (some refs omitted) 5refs.
Order from SLA: $2.60 as TT-66-12698

Trans. of Yogyo Kyokaishi (Japan) v66 p11-7 1958.

B. Ceramics, refractories and glasses

TT-65-13969 Field 11B

Segall, J.
RECENT STUDIES OF HEAT TRANSFER IN GLASS TANKS (Etudes Recentes sur les Echanges Thermiques dans les Fours de Verrerie). 11p (foreign text included) 36refs.
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Order from SLA: $1.60 as TT-66-11549

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Eisenberg, A.
THE SOUND ATTENUATION OF GLASSES AND GLASS ENCLOSURES. II. FIXED DOUBLE GLASS ENCLOSURES. 7p (figs omitted) 1ref.
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CONTRIBUTION TO THE STUDY OF PROBLEMS OF SIMILITUDE PRESENTED BY BALL MILLS. 13p, 1ref.
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Order from SLA: $1.10 as TT-66-11942

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ON THE WETTING PROPERTIES AND ALTERATIONS OF GLASS SURFACES BY AQUEOUS ACETIC ACID SOLUTIONS (Ueber Benzbarkeitseigenschaften und Veraenderungen von Glasoberflaechen durch Essigsaeure-Wasser-Mischungen). 15p (foreign text included) 3refs.
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ON MINERALIZERS IN SILICATES TECHNOLOGY (O Mineralizatorach w Technologii Krzemianow).

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C. Coatings, colorants and finishes

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TT-66-12332 Field 11C, 11I

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H. Oils, lubricants, and hydraulic fluids

TT-66-11088 Field 11H, 11C

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I. Plastics

TT-65-13815 Field 11I

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Order from SLA: $1.10 as TT-66-11318

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Order from SLA: $1.10 as TT-66-11426

Trans. of Polimery (Poland) v9 n2 p48-9 1964.

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Order from SLA: $1.10 as TT-66-11493

Trans. of Patent (Japan) pub. 40-20 193.
Patent cl 26 B 141 and 26 B 012, application Showa 37-29, 615, by Toa Gosei Kagaku Kogyo K.K., Tokyo, Japan, filed 18 July 62, pub. 8 Sep 65.

TT-66-11494 Field 11I

Nakano, S.
PRODUCTION OF VINYL CHLORIDE POLYMERS. 4p (foreign text included).
Order from SLA: $1.10 as TT-66-11494

Trans. of Patent (Japan) pub. 40-19 191.
Patent cl 26 B 141 and 26 B 011.3, application Showa 37-50,782, by Tekkosha Ltd., Tokyo, Japan, filed 19 Nov 62, pub. 27 Aug 65.

TT-66-11495 Field 11I

Zen, F.
PROCESS FOR PRODUCTION OF VINYL CHLORIDE RESINS. 8p (foreign text included).
Order from SLA: $1.10 as TT-66-11495

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TT-66-11496 Field 11I

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PROCESS FOR PRODUCTION OF VINYL CHLORIDE RESINS. 8p (foreign text included).
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TT-66-11503 Field 11I

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Trans. of Kogyo Kagaku Zasshi (Japan) v67 n5 p843-7 1964.

TT-66-11505 Field 11I

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PROCESS FOR PRODUCTION OF TERNARY COPOLYMERS OF VINYL CHLORIDE. 9p (foreign text included).
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Trans. of Patent (Japan) pub. 40-21 275.
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TT-66-11506 Field 11I

Tanaka, K.
POLYCARBONATE COMPOSITIONS. 5p (foreign text included).
Order from SLA: $1.10 as TT-66-11506

Trans. of Patent (Japan) pub. 40-21 263.
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TT-66-11508 Field 11I

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PRODUCTION OF FOAMS OF POLYVINYL COMPOUNDS. 7p (foreign text included).
Order from SLA: $1.10 as TT-66-11508

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TT-66-11512 Field 11I

PROCESS FOR THE PREPARATION OF THERMOPLASTIC LINEAR POLYESTERS HAVING SOFTENING TEMPERATURES EXCEEDING 100C (Procede de Preparation de Polyesters Thermoplastiques Lineaires Ayant des Temperatures de Ramollissement Superieures a 100C). 19p (foreign text included).
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TT-66-11515 Field 11I

Tolstaya, S. N.; Borodina, V. N.; Taubman, A. B.
THE ABSORPTIVE ACTIVATION AND REINFORCING ACTION OF MINERAL FILLERS IN POLYMERIC SYSTEMS (Adsorbtsionnaya Aktivatsiya i Usilivayushchee Deistvie Mineralnykh Napolnitelei v Polimernykh

Sistemakh). 22p (foreign text included) 12refs.
Order from SLA: $2.60 as TT-66-11515

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TT-66-11556 Field 11I

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FORMATION OF POLYVINYL CHLORIDE PARTICLES IN SUSPENSION POLYMERIZATION. 36p (foreign text included) 8refs.
Order from SLA: $3.60 as TT-66-11556

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TT-66-11565 Field 11I

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DETERMINATION OF THE GLASS TRANSITION TEMPERATURE OF A PLASTIC MATERIAL BY THE VARIATIONS OF ITS PENDULUM HARDNESS (Determination de la Temperature de Transition Vitreuse d'une Matiere Plastique, par les Variations de sa Durete Pendulaire). 14p (foreign text included) 16refs.
Order from SLA: $1.60 as TT-66-11565

Trans. of la Recherche Aerospatiale (France) n99 p11-6 1964.

TT-66-11569 Field 11I, 7C

Hopff, H.; Luessi, H.; Hammer, E.
SUSPENSION POLYMERIZATION. REPT. NO. 6. POLYETHYLENE OXIDES AS PROTECTIVE COLLOIDS. 6p, 2refs.
Order from SLA: $1.10 as TT-66-11569

Trans. of Makromolekulare Chemie (Switzerland) v84 p282-5 1965.
Another trans. is available from ATS: $4.25 as ATS-55S88G, 3p.

TT-66-11571 Field 11I, 7C

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SUSPENSION POLYMERIZATION. REPT NO. 5. INFLUENCE OF THE CHEMICAL STRUCTURE OF THE PROTECTIVE COLLOID. 12p, 2refs.
Order from SLA: $1.60 as TT-66-11571

Trans. of Makromolekulare Chemie (Switzerland) v84 p274-81 1965.
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TT-66-11660 Field 11I, 13H

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Order from SLA: $1.60 as TT-66-11660

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Available on loan from SLA as TT-66-11692

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TT-66-11694 Field 11I

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INTERNAL PLASTICIZATION OF PVC WITH VARIOUS HIGHER ALKYL VINYL DERIVATIVES. 11p, 15refs.
Order from SLA: $1.60 as TT-66-11694

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n6 p1000-3 1962.

TT-66-11887 Field 11I

Reinecke, H.
A METHOD FOR PRODUCING VINYL CHLORIDE POLYMERS THAT CAN BE CONVERTED INTO PASTES. 16p, 6refs.
Order from SLA: $1.60 as TT-66-11887

Trans. of Patent (Japan) pub. 39-12 123.
Patent application Showa 37-30,929, cl 26 B 141 and 25 H 351.1, filed 20 July 62, pub. 30 July 64 (Priority: Germany, 20 July 61).

TT-66-11888 Field 11I

Koyanagi, S.; Kitamura, H.
A METHOD FOR PRODUCING VINYL CHLORIDE TYPE RESINS FOR CONVERSION TO PASTES. 7p, 3refs.
Order from SLA: $1.10 as TT-66-11888

Trans. of Patent (Japan) pub. 38-11 270.
Patent application Showa 35-47,645, by Shinetsu Chemical Industry Co., Tokyo, Japan, cl 25 H 351.1 and 25 H 022.2, filed 2 Dec 60, pub. 5 July 63.

TT-66-11895 Field 11I

Aihara, T.; Konyanagi, S.; Harada, H.
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Order from SLA: $1.10 as TT-66-11895

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TT-66-11896 Field 11I

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TT-66-11898 Field 11I

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Order from SLA: $1.60 as TT-66-11898

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Order from SLA: $1.10 as TT-66-11899

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Patent File no. 853,360, international cl C 08 f, by Compagnie Francaise des Matieres Colorantes, France (Seine), filed 21 Feb 61, granted 26 Feb 62.

TT-66-11900 Field 11I

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Order from SLA: $2.60 as TT-66-11900

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Patent File no. 865,770, international cl C 08 f, by The General Tire and Rubber Co., USA, filed 22 June 61, granted 2 July 62 (Priority: U. S., appl. No. 37,989, 22 June 60).

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Patent application W 19,882 IVb/39c, cl 39c, gr 25/01, international cl C 08 f, by Wacker-Chemie G.m.b.H., Munich, Germany, filed 9 Oct 56, granted 19 Nov 59, pub. 5 May 60.

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Natta, G.; Dall' Asta, G.
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Order from SLA: $2.60 as TT-66-11923

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Order from SLA: $1.60 as TT-66-11924

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Berens, A. R.
PROCESS FOR THE PRODUCTION OF POLYMERS AND COPOLYMERS OF ESTERS OF MONOVALENT POLY-OXYALKYLENE GLYCOLS WITH A BLOCKED CHAIN. 25p, 2refs.
Order from SLA: $2.60 as TT-66-11925

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TT-66-11926 Field 11I

Trofimow, A.; Isaacs, P. K.; Goodman, D.
PROCESS FOR THE COPOLYMERIZATION OF VINYLIDENE CHLORIDE AND VINYL CHLORIDE. 12p.
Order from SLA: $1.60 as TT-66-11926

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Patent application G 28,381 IVb/39c, cl 39c, gr 25/01, international cl C 08 f, by W. R. Grace and Co., Cambridge, Mass., USA, filed 17 Nov 59, granted 17 Aug 61 (Priority: U. S., 24 Nov 58).

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Order from SLA: $1.10 as TT-66-11928

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TT-11932 Field 11I

Sorder, L. C.; Larrson, B. E.
THERMOPLASTIC MIXTURES. 19p.
Order from SLA: $1.60 as TT-66-11932

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Order from SLA: $3.60 as TT-66-12774

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Order from SLA: $1.60 as TT-66-12790

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J. Rubbers

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Order from SLA: $1.10 as TT-66-11429

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Order from SLA: $1.60 as TT-66-11497

Trans. of Patent (Japan) pub. 40-19 177.
Patent cl 25 H 351, 25 H 32, 25 H 37 and 25 H 022.22, application Showa 38-34, 574, by W. R. Grace and Co., Cambridge, Mass., USA, filed 6 July 63, pub. 27 Aug 65 (Priority: U. S., appl. No. 208,093, 6 July 62).

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Provorov, V. N.; Taradai, E. P.; Maslova, M. A.
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Saidov, N. M.
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Trans. of Kogyo Kagaku Zasshi (Japan) v68 n12 p2505-8 1965.

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Zobel, R.
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H. Industrial processes

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POWDER-METALLURGICAL ANALYSIS IN THE FERRITE MANUFACTURING PROCESS. PT. I. OUTLINE OF THE MANUFACTURING PROCESS AND CHANGES TAKING PLACE DURING HEATING. 9p, 8refs.
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Order from SLA: $1.10 as TT-66-12661

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33076

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33418

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TT-66-61527 Field 13H, 21B, 21D

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Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 594

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TT-66-61949 Field 13H, 11H

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-62032 Field 13H

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Order from CFSTI or ETC: HC$5.00, MF$1.00
as AD-637 055

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A METHOD OF REMOVING THE SURFACE FILM FORMED AFTER THE DIFFUSION OF BORON ON THE SURFACE OF SILICON. 9 May 66, 7p, 2refs.
FTD-TT-65-1435; AD-637 067.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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I. Machinery and tools

TT-64-11109 Field 13I

Danilevskii, V. V.
NARTOV AND HIS THEATRUM MACHINARUM: RUSSIAN XVIIITH CENTURY MACHINE TOOLS. 1966, 317p, refs.
SFCSI-Smi(TT-64-11109).
Order from CFSTI: $7.00 as TT-64-11109

Trans. of mono. Nartov i 'Yasnoe Zrelishche Mashin', Moscow-Leningrad, 1958.

TT-66-10203 Field 13I

CAST IRON SHAFT RING LINING. DIRECTIVES AND TECHNICAL SPECIFICATIONS (Gusseiserner Schachtring-ausbau. Richtlinien und Technische Lieferbedingungen). 7p.
Order from SLA: $1.10 as TT-66-10203

Trans. of German Standards Specification DIN-21 501, Oct 1939.

TT-66-10207 Field 13I

SHAFT CONSTRUCTION. PROVISIONAL SHAFT LINING (Schachtbau. Vorlaeufiger Schachtausbau). 7p (foreign text included).
Order from SLA: $1.10 as TT-66-10207

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TT-66-11551 Field 13I, 11L

Kharitonov, V. V.
THEORY OF THE PROCESS OF BARK REMOVAL IN BARKING MACHINES. 8p.
Order from SLA: $1.10 as TT-66-11551

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Order from SLA: $1.10 as TT-66-11552

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TT-66-12762 Field 13I

Ikeda, S.
WIRE STRAND SPRING. 10p.
Order from SLA: $1.10 as TT-66-12762

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USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 198. 22 Jul 66, 18p. JPRS-36621.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-33306 Field 13I, 15C, 2B

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Order from CFSTI or ETC: HC$1.00, MF$0.50
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Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-60626 Field 13I

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TT-66-60916 Field 13I, 13H

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Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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J. Marine engineering

TT-66-11537 Field 13J, 20K

Schultz, H. G.
ON THE BEARING STRENGTH OF COMPRESSION-STRESSED ORTHOTROPIC PLATES. 41p, 5refs.
Order from SLA: $4.60 as TT-66-11537

Trans. from Schiffbautechnische Gesellschaft, Berlin. Jahrbuch (Germany) v56 1962.

TT-66-32927 Field 13J, 13F, 13B, 1B, 5C

AFRICA: TRANSLATIONS NO. 400. 14 Jul 66, 27p. JPRS-36495.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-32927

TT-66-33048 Field 13J, 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 123. 22 Jul 66, 33p. JPRS-36617.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33048

TT-66-33123 Field 13J, 5I

PRESS INFORMATION REPORT ON ALBANIA NO. 176. 26 Jul 66, 15p. JPRS-36692.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33123

TT-66-33152 Field 13J, 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 125. 28 Jul 66, 17p. JPRS-36721.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-33152

TT-66-33176 Field 13J, 11F

USSR TRANSPORTATION: TRANSLATIONS NO. 126. 1 Aug 66, 62p. JPRS-36745.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as TT-66-33176

TT-66-33270 Field 13J, 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 127. 4 Aug 66, 9p. JPRS-36840.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-60394 Field 13J

PERFECTING THE TECHNOLOGY OF SHIPBUILDING (Sovershenstvovanie Tekhnologii Sudostroeniya). 1965, 8p. Trans. 1077; AD-627 251.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-627 251

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Ivanov, A.; Belyakov, L.
LARGE CAPACITY SHIPS IN THE WORLD TANKER FLEET (Za Rubezhom Krupnotonnazhne Suda v Mirovom Tankernom Flote). 1966, 6p. Trans-2118; AD-633 936.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-633 936

Trans. of Morskoi Flot (USSR) v25 n7 p40-1 1965.

TT-66-61440 Field 13J, 15E

Gromovoi, E.; Shvartsman, A.
STOWAGE OF CARGO ABOARD A SHIP TO OBTAIN MAXIMUM PROFIT (Komplektovanie Sudna Gruzami dlya Polucheniya Maksimalnovo Dokhoda). 1966, 12p. Trans-2117; AD-633 937.
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TT-66-61442 Field 13J

Panfilov, N. A.
FISHING MOTORBOAT MADE OF GLASS REINFORCED PLASTIC (Rybopromyslovyi Motobot iz Stekloplastika). 1966, 8p. Trans-2096; AD-633 947.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-61463 Field 13J, 11I, 11E

Agranat, V. F.; Potapov, I. G.; Akamova, P. A.
EXPERIENCE IN USING SECONDARY CAPRON FOR MARINE HARDWARE. 1966, 11p. Trans-2196; AD-634 058.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-634 058

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TT-66-61468 Field 13J, 21E

Bulygin, P. A.; Mineev, G. S.
THE USE OF SINGLE-SHAFT AVIATION GAS-TURBINE ENGINES IN HYDROFOILS (Primenenie Aviatsionnykh Odnovalnykh Gazoturbinnykh Dvigatelei na Dusakh s Podvodnymi Krylyami). 1966, 8p. Trans-2136; AD-634 110.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-634 110

Trans. of Sudostroenie, v31 n11 p35-8 1965.

K. Pumps, filters, pipes, fittings, tubing and valves

TT-66-11902 Field 13K, 11I

PIPES OF RIGID PVC (RIGID POLYVINYL CHLORIDE). TECHNICAL DELIVERY SPECIFICATIONS. 15p, 2refs.
Order from SLA: $1.60 as TT-66-11902

Trans. of German standards specification DIN-8061. Sep 1962.

TT-66-11903 Field 13K, 11I

LAYING ABC FOR THE GERUEDER ANGER KM-PRESSURE PIPE FROM RIGID PVC WITH GABODUR INSERT COUPLING. 19p.
Order from SLA: $1.60 as TT-66-11903

Trans. of German standards specification, DIN-19 532.

TT-66-11922 Field 13K, 11I

PIPES OF RIGID PVC (RIGID POLYVINYL CHLORIDE)--DIMENSIONS. 10p.
Order from SLA: $1.10 as TT-66-11922

Trans. of German standards specification DIN-8062. Nov. 1964.

TT-66-12372 Field 13K

Mongodin, G.; Prevot, F.
EXPERIMENTAL STUDY OF A ROTARY MOLECULAR PUMP. Tr. by J. M. Jacobs. Jun 63, 29p, 8refs. NP-tr-1065.
Order from SLA: $2.60 as TT-66-12372

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TT-66-33110 Field 13K

PIPE PRODUCTION. 26 Jul 66, 33p, 17refs. JPRS-36679.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as TT-66-33110

Trans. of Poizvodstvo Trub (USSR) n15 p62-6, 80-9, 95-100 1965.

L. Safety engineering

TT-66-12364 Field 13L

Kuhnen, G.
FIRE AND EXPLOSION HAZARDS IN DUST COLLECTION. Tr. by S. Shewchuck. Jul 64, 12p, 7refs. UCRL-Trans-1091(L).
Order from SLA: $1.60 as TT-66-12364

Trans. of Staub (West Germany) v23 p92-4 1963.

M. Structural engineering

TT-66-11728 Field 13M

FLOORING CONSTRUCTED BY PRESTRESSED CONCRETE BEAMS. RULES FOR OBTAINING DIMENSIONS ANALYTICALLY AND MANUFACTURE. 17p, 12refs.
Order from SLA: $1.60 as TT-66-11728

Trans. of National Civil Engineering Laboratory, Portugal. Technical Information Circular. Report n29. 1 Mar 1964.
Also available from C/CA:L1.

TT-66-11729 Field 13M

Robinson, J. R.
SPECIFICATIONS FOR THE DESIGN OF REINGORCED CONCRETE STRUCTURES. 45p (figs tables omitted).
Order from SLA: $4.60 as TT-66-11729

Trans. from mono. New Code of Practice for Reinforced Concrete in French Public Works, n. p. 1964.
Also available from C/CA:L1.

TT-66-11940 Field 13M, 13C

Mikhailov, K. V.
BASIC PRINCIPLES OF DESIGN OF REINFORCED CONCRETE STRUCTURES FOR FATIGUE. 15p, 8refs.
Order from SLA: $1.60 as TT-66-11940

Trans. from mono. Design and Construction of Reinforced Concrete Elements, Moscow, 1964, p203-15.

TT-66-12599 Field 13M

NEW FLOOR OF STEEL AND 'GAMMA' REINFORCED CONCRETE. 4p (figs omitted).
Order from SLA: $1.10 as TT-66-12599

Trans. of le Genie Civil (France) v107 n4 p93 1935.

TT-66-13004 Field 13M, 13C

Rick, A. W.
THE PROBLEM OF LEVEL ROOFS -- EFFECTS ON LEVEL ROOFS. 7p.
Order from SLA: $1.10 as TT-66-13004

Trans. of Bitumen, Teere, Asphalte, Peche und Verwandte Stoffe (West Germany) v17 n3 p112-4 1966.

TT-66-61952 Field 13M

Pan Fu-yee.
CERTAIN PROBLEMS OF THE COMPLEX MODULUS OF A FOUNDATION UNDER DYNAMIC LOADING. 4 Apr 66, 19p, 4refs. FTD-TT-65-885; AD-636 666.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 666

Edited trans. of T'u Mu Kung Ch'eng Hsueh Pao (Chinese People's Republic) v10 n1 p43-9 1964.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-65-14093 Field 14B

TESTING RIGID FOAMS: SHEAR TEST. 4p.
DIN-53 422.
Order from SLA: $1.10 as TT-65-14093

Trans. of German Standards Specification, DIN 53 422, Mar 1961.

TT-65-31088 Field 14B, 6D, 12B, 13H, 9-

Tsipkin, Ya. Z., ed.
THE THEORY AND APPLICATION OF AUTOMATIC SYSTEMS. 26 May 65, 529p, 304refs. JPRS-30270.
Order from CFSTI or ETC: HC$8.28, MF$2.50 as TT-65-31088

Trans. of mono. Teoriya i Primenenie Avtomaticheskikh Sistem, Moscow, 1964 341p.

TT-65-32120 Field 14B

INSTRUMENT BUILDING, 1965, VOL. VIII, NO. 3. 19 Aug 65, 186p, 69refs. JPRS-31625.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-65-32120

Trans. of Izvestiya Vysshikh Uchebnykh Zaveđenii. Priborostroe (USSR) v8 n3 144p 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-65-50134 Field 14B, 13H

Loznovskii, Yu. Ya.
THICKNESS-MEASURING DEVICE BASED ON RADIOACTIVE SOURCES FOR AUTOMATIC GAGING OF FILMS AND SHEETS DURING PRODUCTION (Radioaktivnyi Tolshchinomer dlya Avtomaticheskogo Kontrolya Tolshing Plenochnykh i Tistovykh Materialov v Protsesse Ikh Izgotovleniya). 1966, 19p, 7refs. SFCSI-Comm(TT-65-50134).
Order from CFSTI: HC$1.00. as TT-65-50134

Trans. of Leningradsii dom Nauchno-Teknicheskoi Propagandy. Obmen Peredovym Opytom. Seriya: Pribory i Elementy Avtomatiki, v1 1965.

TT-66-11671 Field 14B

Novotny, K.
THE TRANSONIC TEST SECTION OF THE S2 WIND TUNNEL OF THE MODANE TEST CENTER (La Veine Transsonique de la Soufflerie S2 de Modane). 8p, 3refs.
Order from SLA: $1.10 as TT-66-11671

Trans. of la Recherche Aerospatiale (France) n107 p25-7 1965.

TT-66-11736 Field 14B, 7D

Holzmueller, W.; Winterstein, G.
CONTINUOUS VISCOSITY MEASUREMENT OF HIGH POLYMER SOLUTIONS WITH AN OSCILIATION VISCOSIMETER. 9p (figs refs omitted).
Order from SLA: $1.10 as TT-66-11736

Trans. of Kolloid Zeitschrift und Zeitschrift fuer Polymere (West Germany) v163 p126-32 1959.
Another trans. is availalie from SLA $1.80 as TT-61-10644, 9p.

TT-66-12366 Field 14B

Noch, R.; Huehn, H.
INVESTIGATIONS OF THE INFLUENCE OF TEMPERATURE VARIATIONS ON THE READINGS OF COMPARATORS WITH HIGH MAGNIFICATION. Oct 64, 16p. UCRL-Trans-1139(L).
Order from SLA: $1.60 as TT-66-12366

Trans. of Zeitschrift fuer Instrumentenkunde (West Germany) v67 p285-8 1959.

TT-66-12367 Field 14B, 14D

Perard, A.
THE ADJUSTMENT TEMPERATURE OF INDUSTRIAL GAGES. 22p, 1ref. UCRL-Trans-1142(L).
Order from SLA: $2.60 as TT-66-12367

Trans. of le Genie Civil (France) v90 p621-4 1927.

TT-66-30303 Field 14B

Zilitinkevich, S. I., ed.
NEWS OF HIGHER EDUCATIONAL INSTITUTIONS, INSTRUMENT BUILDING, VOL. 8, NO. 5, 1965. 24 Jan 66, 216p, 110refs. JPRS-33860.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-30303

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v8 n5 p1-164 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4

TT-66-33121 Field 14B

Karev, M.
SOVIET SCIENTISTS CREATE LABORATORY PRESSURES OF UP TO 10 MILLION ATMOSPHERES. 26 Jul 66, 4p. JPRS-36690.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33121

Trans. from Kommunist, Erevan (USSR) 3 Jul p3 1966.

TT-66-61895 Field 14B, 22B, 8N, 4A

Randjelovic, J. V.
AEROSPACE INSTRUMENTATION: COMPILATION OF ABSTRACTS. 18 May 66, 60p. ATD-66-58; AD-636 500.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-636 500

Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-61959 Field 14B, 8D, 20L

Belonogov, A. M.; Sazonov, A. M.
SPECTROMETER FOR OBSERVATION OF ELECTRON PARAMAGNETIC RESONANCE IN SOLID BODIES. 25 May 66, 12p, 5refs. FTD-TT-65-1735; AD-636 674.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 674

Unedited rough draft trans. of Geofizicheskoe Priborostroenie (USSR) n16 p94-101 1963.

TT-66-61963 Field 14B, 7D

Alekdeevskii, N. E.
SMALL SIZE MASS SPECTROMETER OF HIGH RESOLUTION WITH A NON-HOMOGENEOUS MAGNETIC FIELD FOR ANALYZING LIGHT GASES. 1 Aug 66, 5p. Trans-2210; AD-636 717.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 717

Trans. of Akademiya Nauk SSSR. Doklady, v166 n5 p1088-90 1966.

TT-66-62047 Field 14B, 3A, 22A

Konovalov, B.
THE ATTACK OF METEORITES. 8 Apr 66, 9p. FTD-TT-65-1049; AD-637 100.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-637 100

Unedited rough draft trans. from Izvestiya (USSR) 30 Mar p5 1965.

C. Recording devices

TT-66-11726 Field 14C

Kluth, H.
MAGNETIC RECORDING TAPE FROM BASE PRODUCTION--HISTORY--FUTURE. 7p (figs omitted) 5refs.
Order from SLA: $1.10 as TT-66-11726

Trans. of Chemiker Zeitung (West Germany) v89 n7 p212-7 1965.

E. Reprography

TT-66-11693 Field 14E

Harazaki, Y.; Hasegawa, H.; Kirigaya, K.
STUDY OF ELECTROFAX PAPER. REPT. NO. 3. EFFECT OF CYANINE DYES ON PHOTOELECTRIC PROPERTIES OF ELECTROFAX PAPER. 7p (figs tables formulae omitted) 3refs.
Order from SLA: $1.10 as TT-66-11693

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n2 p188-91 1963.

TT-66-12444 Field 14E

Krasnyi-Admoni, L. V.
INVESTIGATION OF THE HARDENING DEVELOPMENT PROCESS. 14p, 15refs.
Order from SLA: $1.60 as TT-66-12444

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) v10 n4 p241-7 1965.

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Gross, L. G.
MECHANISM OF ACTIVATION OF SPECTRAL SENSITIZATION OF PHOTOGRAPHIC EMULSIONS. 17p, 16refs.
Order from SLA: $1.60 as TT-66-12446

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Order from SLA: $1.10 as TT-66-12447

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Order from SLA: $1.10 as TT-66-12448

Trans. of Poligraficheskoe Proizvodstvo (USSR) n12 p13-4 1963.

TT-66-12449 Field 14E

Dravin, A. B.; Anokhin, F. A.
PREPARATION OF OFFSET PLATES ELECTROPHOTOGRAPHICALLY FOR PRINTING ILLUSTRATIONS. 9p.
Order from SLA: $1.10 as TT-66-12449

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COMPARISON OF THE VISUAL EVALUATION OF THE QUALITY OF PHOTOGRAPHIC IMAGE AND ITS OBJECTIVE CRITERIA. 17p, 13refs.
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Istomin, G. A.; Abidina, I. G.
EFFECT OF THE DEVELOPMENT PROCESS ON

PHOTOGRAPHIC SENSITIVITY AND SHARPNESS OF IMAGE. 21p, 21refs.
Order from SLA: $2.60 as TT-66-12453

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INVESTIGATION OF VARIATIONS OF PHOTOGRAPHIC DENSITY. 15p, 22refs.
Order from SLA: $1.60 as TT-66-12455

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EFFECT OF THE BACKGROUND RADIANT ENERGY ON THE SPEED (LIGHT SENSITIVITY) OF PHOTOGRAPHIC MATERIALS. 13p.
Order from SLA: $1.60 as TT-66-12456

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Kartuzhanskii, A. L.; Yurchenko, A. F.
NEW TYPE OF AGING OF PHOTOGRAPHIC EMULSIONS. 5p, 5refs.
Order from SLA: $1.10 as TT-66-12457

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Umanskii, S. D.; Tatiev, D. P.
EFFECT OF LIGHT SCATTERING IN THE SUPPORT ON COLOR CHARACTERISTICS OF HALFTONE IMAGES. 5p, 1ref.
Order from SLA: $1.10 as TT-66-12458

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Akopova, A. B.
INVESTIGATION OF THE EFFECT OF ULTRASONIC FIELD PARAMETERS ON THE PROCESSING OF NUCLEAR EMULSIONS. 5p, 4refs.
Order from SLA: $1.10 as TT-66-12459

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Kartuzhanskii, A. L.
THERMAL ANALOG OF PHOTOGRAPHIC DEBOT EFFECT. 15p, 8refs.
Order from SLA: $1.60 as TT-66-12460

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TT-66-12461 Field 14E

Babchin, A. I.; Levi, S. M.
FLOW OF SEVERAL LAYERS OF VISCOUS LIQUID OVER A SLOPING PLANE OF COATING MACHINE EXTRUDER. 6p, 2refs.
Order from SLA: $1.10 as TT-66-12461

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Zhdanov, A. P.; Skirda, N. V.
STOPPING POWER OF NUCLEAR PHOTOGRAPHIC EMULSIONS MANUFACTURED IN USSR. 27p, 30refs.
Order from SLA: $2.60 as TT-66-12462

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Istomin, G. A.
METHOD OF PHOTOGRAPHIC DIFFUSIMETRY AND ITS APPLICATION FOR EVALUATING PHOTOGRAPHIC FILM SHARPNESS. I. CONTRAST FUNCTION, ITS MEASUREMENT AND ANALYSIS. 29p, 32refs.
Order from SLA: $2.60 as TT-66-12463

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TT-66-12464 Field 14E

Pruglo, N. V.; Evdokimov-Skopinskii, A. N.; Spasokukotskii, N. S.; Bongard, S. A.
EFFECT OF POLYMER BASES ON MORDANTING ACID DYES IN GELATIN LAYERS. III. EFFECT OF QUATERNARY PYRIDINIUM GROUPS IN POLY-2-VINYLPYRIDINE ON ITS MORDANTING PROPERTY. 12p, 10refs.
Order from SLA: $1.60 as TT-66-12464

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TT-66-12465 Field 14E

Sheberstov, V. I.
INVESTIGATION OF THE KINETICS AND THE MECHANISM OF PHOTOGRAPHIC DEVELOPMENT. II. MECHANISM OF THE CATALYTIC EFFECT OF SILVER NUCLEUS IN THE DEVELOPMENT PROCESS. 11p, 27refs.
Order from SLA: $1.60 as TT-66-12465

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Order from SLA: $1.60 as TT-66-12466

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TT-66-12542 Field 14E

Gamazina, Z. P.; Polyanskii, N. N.; Selivanov, Yu. P.
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Order from SLA: $1.10 as TT-66-12542

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Yakhimovich, Yu. P.; Sleptsov, A. I.
DIRECT METHOD OF OFFSET PRINTING WITH CONTACT SCREENS. 9p.
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Order from SLA: $1.10 as TT-66-12544

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Order from SLA: $1.10 as TT-66-12545

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TT-66-12546 Field 14E

Yanson, K. R.
SUPER-HIGH CONTRASTY DEVELOPER WITH CYCLO-HEXANONE. 4p.
Order from SLA: $1.10 as TT-66-12546

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Rodionov, S. V.; Frukhtbein, M. K.; Vlasova, G. I.
BIMETAL PRINTING PLATES USED FOR GRAPHIC REPRODUCTION. 8p.
Order from SLA: $1.10 as TT-66-12547

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Shokin, S. P.
EXHIBITION OF CONTEMPORARY GEODETIC AND PHOTOGRAMMETRIC INSTRUMENTS. Jun 66, 21p.
FSTC-HT-23-93-66; AD-634 284.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Order from CFSTI or ETC: HC$2.00, MF$0.50
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15 MILITARY SCIENCES

TT-66-33113 Field 15-, 5D, 5I

NORTH VIETNAM: TRANSLATIONS NO. 10. 26 Jul 66, 64p. JPRS-36682.
Order from CFSTI or ETC: HC$3.00, MF$0.75
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SOVIET MILITARY TRANSLATIONS NO. 300. Antisubmarine Warfare. 4 Aug 66, 15p. JPRS-36839.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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The Soviet People's Naval Holidary. 17 Aug 66, 8p. JPRS-37060.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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C. Defense

TT-66-30051 Field 15C

SOVIET MILITARY TRANSLATIONS NO. 222.
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Order from CFSTI or ETC: HC$3.00, MF$0.75
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D. Intelligence

TT-66-62043 Field 15D, 17I

Emelyanov, L. A.; Abchuk, V. A.
THEORY OF SCANNING IN MILITARY SCIENCE. 26 Mar 66, 248p, 4refs. FTD-TT-65-1259; AD-637 072.
Order from CFSTI or ETC: HC$6.00, MF$1.25
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F. Nuclear warfare

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Order from SLA: $4.60 as TT-66-11661

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Pretre, S.
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Order from SLA: $1.10 as TT-66-11971

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G. Operations, strategy, and tactics

TT-66-61255 Field 15G, 15F

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Order from CFSTI or ETC: HC$4.00, MF$1.00
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Order from CFSTI or ETC: HC$1.00, MF$0.50
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16 MISSILE TECHNOLOGY

D. Missiles

TT-66-61924 Field 16D, 22B, 21H, 21I, 21B, 16B, 17G, 16A, 22C

Feodosev, V. I.; Sinyarev, G. B.
AN INTRODUCTION TO ROCKETRY. 15 Mar 66, 579p, 29refs. FTD-MT-64-236; AD-636 616.
Order from CFSTI or ETC: HC$8.80, MF$2.50 as AD-636 616

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17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

B. Communications

TT-65-31057 Field 17B, 13J, 6J, 5I

HERALD OF COMMUNICATIONS, VOL. 25, NO. 3, 1965: SELECTED ARTICLES. 24 May 65, 119p. JPRS-30205.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-65-31057

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TT-66-11471 Field 17B

Verhage, G.
ESTABLISHMENT OF STANDARDIZED CONNECTIONS TO THE TELEPHONE SYSTEM ON HOUSING CONSTRUCTION (Etablissement lors de la Construction d'Habitations de Raccordements Standardises au Reseau Telephonique). 19p.
Order from SLA: $1.60 as TT-66-11471

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Jablonski, M.
IGNITION CABLES REDUCING INTERFERENCE WITH RADIO RECEPTION. 22p.
Order from SLA: $2.60 as TT-66-11478

Trans. of Przeglad Telekomunikacyjny (Poland) n6 p171-5 1962.

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Kudrna, B.
PARTY LINE SYSTEMS IN THE AUSTRIAN TELEPHONE NETWORK. 26p, 11refs.
Order from SLA: $2.60 as TT-66-11521

Trans. of Elektrotechnik und Maschinenbau (Austria) v78 n1/2 p75-89 1961.
Another trans. is available from ATS $34.85 as ATS-14887G.

TT-66-12249 Field 17B

Oglietti, G.
HIGH FREQUENCY TELEPHONY BETWEEN GENOA AND MILAN, GENOA AND TURIN. 16p.
Order from SLA: $1.60 as TT-66-12249

Trans. of Telegrafi, Telefoni, Radiocommunicazioni (Italy) v3 p37-41 1922.

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Paresy, R.; Boudinet.
ESTABLISHING A REGIONAL EXCHANGE IN PARIS. 17p, (figs omitted).
Order from SLA: $1.60 as TT-66-12250

Trans. of Annales des Postes Telegraphes et Telephones (France) v16 p932-51 1927.

TT-66-12252 Field 17B

Oefverholm, I.
THE INSTALLATION OF RAILWAY TELEPHONE LINES ALONG A. C. RAILROADS. 11p (figs omitted) 5refs.
Order from SLA: $1.60 as TT-66-12252

Trans. of Unidentified report, 1925, pub. by Central Administration of the Royal Swedish Railways. Electrotechnical Department.

TT-66-12254 Field 17B

Palm, C.
MEASURING PRECISION IN DETERMINING VOLUME OF TRAFFIC IN ACCORDANCE WITH THE HUNTING METHOD (Maetnoggrannhet vid Bestaemning av Trafikmaengd Enligt Genomsoekningsfoerfarandet). 70p (foreign text included) 6refs.
Order from SLA: $6.60 as TT-66-12254

Trans. of Tele (Sweden) n7-9 p97-115 1941.

TT-66-12255 Field 17B

Palestrino, C.
THE PROTECTION OF ELECTRICAL INSTALLATIONS BY MEANS OF PETERSEN'S INDUCTIVE COIL. 25p (figs omitted).
Order from SLA: $2.60 as TT-66-12255

Trans. of Elettrotecnica (Italy) v7 n19 p348-53 1920.

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OUTLINE OF INSTRUCTIONS FOR THE INSTALLATION OF AN ELECTRICAL LONG-DISTANCE TRANSMISSION STATION. 8p.
Order from SLA: $1.10 as TT-66-12256

Trans. of excerpts from Elektrotechnik und Maschinenbau (Austria) v41 n11 p175-9 1923.

TT-66-12257 Field 17B

Ollendorff, F.
SOLUTION OF THE POTENTIAL PROBLEMS BY MEANS OF THE PRINCIPLE OF SPATIAL REFLECTION. SECT. 7. DIFFUSION RESISTANCE OF A RIVER-CROSSING POLE. 8p (figs omitted).
Order from SLA: $1.10 as TT-66-12257

Trans. of Wissenschaftliche Veroffentlichungen aus den Siemens-Werken (Germany) v6 n1 p16-21 1927. Partial trans. of p1-31.

TT-66-12262 Field 17B

Oettingen, D. v.; Urtel, R.; Weiss, G.
ON SINGLE-CHANNEL SYNCHRONIZATION IN TELEVISION. 28p (figs omitted) 14refs.
Order from SLA: $2.60 as TT-66-12262

Trans. of Telegraphen-, Fernsprech-Funk- und Fernsprech-Technik (Germany) v27 p158-66 1938.

TT-66-12268 Field 17B

Oden, H.
TECHNIQUE AND OPERATION OF INTERNATIONAL SUBSCRIBER TELEPRINTER TRAFFIC. (Technik und Betrieb des zwischenstaatlichen Fernschreib-Teilnehmerverkehrs). 25p (foreign text included) 2refs.
Order from SLA: $2.60 as TT-66-12268

Trans. of Telegraphen-, Fernschprech- und Fernsprech-Technik (Germany) v25 n7 p187-92 1936.

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STABILITY OF TELEPHONE SYSTEMS WITH REPEATERS (Pfeifsicherheit (Stabilitat) von Fernsprechsystemen mit Verstarkern). 43p (foreign text included) 1ref.
Order from SLA: $4.60 as TT-66-12271

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Order from SLA: $3.60 as TT-66-12280

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THE ORIGIN OF SUPERHETERODYNE RECEPTION. 8p, 13refs.
Order from SLA: $1.10 as TT-66-12379

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Order from SLA: $1.60 as TT-66-12389

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Schotte, K.
THE THROUGH-OFFICE IN THE NEW TOLL EXCHANGE IN BERLIN. 30p (figs omitted) 4refs.
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Trans. of Telegraphen-, Fernsprech-Funk- und Fernsprech-Technik (Germany) v19 n11 p348-57 1930.

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BROADCASTING OF SOUND PRICTURE TRANSMISSIONS ON ULTRA-SHORT WAVES IN GERMANY. 48p, 20refs.
Order from SLA: $4.60 as TT-66-12398

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Ollendorff, F.
SHIELDING COMMUNICATION CIRCUITS BY TREES AGAINST INTERFERENCE. 37p (figs omitted).
Order from SLA: $3.60 as TT-66-12399

Trans. of Elektrische Nachrichten-Technik (Germany) v4 n10 p405-26 1927.

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RECENT DEVELOPMENTS IN THE CORD CIRCUIT REPEATER CONSTRUCTIONS. 53p, 13refs.
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Mueller, E.
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Order from SLA: $8.10 as TT-66-13012

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D. Fluid mechanics

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TT-66-61491 Field 20E, 9A, 20C

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THEORY OF A CIRCULAR DIELECTRIC RESONATOR. II. Tr. by L. J. Holtschlag. 20 May 66, 9p, 8refs. TG-230-T475; AD-634 246.
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Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-637 098

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F. Optics

TT-66-11466 Field 20F, 11B

Arnulf, A.
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Order from SLA: $4.60 as TT-66-11466

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Order from SLA: $1.60 as TT-66-11526

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Order from SLA: $1.10 as TT-66-11735

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Order from SLA: $2.60 as TT-66-12394

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ON THE BEHAVIOR OF LUMINOUS SUBSTANCES EXPOSED TO INTERMITTENT ELECTRON BEAMS. 39p (figs omitted) 28refs.
Order from SLA: $3.60 as TT-66-13147

Trans. of Zeitschrift fuer Physik (Germany) v116 n7/8 p385-414 1940.

TT-66-33120 Field 20F

AN IMAGE CONVERTER TUBE FOR MIDDLE INFRARED WITH PHOTOCONDUCTIVE LAYER AND PHOTOEMISSIVE LAYER JUXTAPOSED: THE 'SERVAL'. 26 Jul 66, 13p. JPRS-36689.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33120

Trans. of Infrared Physics (England) v3 p117-27 1963.

TT-66-33246 Field 20F, 8J

RESEARCH IN HYDROOPTICS: SELECTED ARTICLES. 3 Aug 66, 117p. refs. JPRS-36816.
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TT-66-62037 Field 20F

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LIGHT TRANSMITTING CABLES. 23 May 66, 7p. FTD-TT-65-725; AD-637 064.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-637 064

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G. Particle accelerators

TT-65-62456 Field 20G

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ON COHERENT INSTABILITY OF BETATRON OSCILLATIONS IN ACCELERATORS AND ACCUMULATORS. Tr. by Sergey Shewchuck. Jan 1965, 17p. UCRL-Trans-1174.
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TT-66-11854 Field 20G, 20F

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STIMULATION OF X-RADIATION BY CANAL-RAY

IMPACTS (Anregung von Charakteristischer Roentgenstrahlung durch Kanalstrahlenstoss).
Tr. by S. Shewchuck. Mar 64, 13p (foreign text included) 7refs. UCRL-Trans-1056(L).
Order from SLA: $1.60 as TT-66-11854

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TT-66-12312 Field 20G

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THREE-DIMENSIONAL STABILIZATION OF CHARGE CARRIERS IN A QUADRUPOLE FIELD. 24p, 10refs.
Order from SLA: $2.60 as TT-66-12312

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TT-66-61107 Field 20G

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FTD-HT-66-191; AD-631 586.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-631 586

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TT-66-62041 Field 20G

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FTD-MT-64-180; AD-637 068.
Order from CFSTI or ETC: HC$7.50, MF$2.00 as AD-637 068

Edited machine trans. of mono. Teoriya i Raschet Lineinykh Uskoriteley; Sbornik Statei, Moscow, 1962 p1-348.

H. Particle physics

TT-65-50108 Field 20H

NUCLEAR REACTIONS IN THE LOW AND INTERMEDIATE ENERGY RANGES. 1966, 697p, refs.
SFCSI-AEC(TT-65-50108; AEC-tr-6465.
Order from CFSTI: $9.96 as AEC-tr-6465

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Zalmanzon, V. B.; Zeitlenok, G. A.
THE DEFLECTING SYSTEM OF A 5 BEV/C ANTIPROTON CHANNEL. 1964, 8p. AEC-tr-6529.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AEC-tr-6529

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Order from CFSTI or ETC: HC$3.00, MF$0.50 as UCRL-Trans-1109

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Balbekov, V. I.; Kolomonskii, A. A.
TRANSVERSE STABILITY OF A CHARGED PARTICLE BEAM IN A CHAMBER WITH CIRCULAR CROSS SECTION.
Tr. by S. Shewchuck. Jan 1965, 20p. UCRL-Trans-1175.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as UCRL-Trans-1175

Trans. of Unidentified Russian preprint, n.p., 1964.

TT-66-11761 Field 20H

Brunee, C.
CONCERNING THE REFLECTION OF IONS AND SECONDARY ELECTRON EMISSION RESULTING FROM THE IMPINGEMENT OF ALKALI IONS ON PURE MOLYBDENUM SURFACES. 6p (figs refs omitted).
Order from SLA: $1.10 as TT-66-11761

Trans. of excerpts from Zeitschrift fuer Physik (West Germany) v147 p161-83 1957.
Another trans. is available from SLA, $3.60 as TT-11066, 37p.

TT-66-12136 Field 20H

Dettmann, K.
SPONTANEOUS RECOMBINATION OF FRENKEL PAIRS (Spontane Rekombination von Frenkelpaaren). Tr. by E. K. Wilip. Oct 65, 17p, 10refs. ANL-Trans-240.
Order from SLA: $1.60 as TT-66-12136

Trans. of Physica Status Solidi (Germany) v10 p269-82 1965.

TT-66-12138 Field 20H, 20G

Raynal, J.
USE OF BEAMS OF POLARIZED DEUTERONS AND DETERMINATION OF THE PARAMETERS OF AN OPTICAL MODEL (Utilisation de Faisceaux de Deutons Polarises et Determination des Parametres du Modele Optique). Dec 65, 120p, 43refs. ANL-Trans-258.
Order from SLA: $9.60 as TT-66-12138

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TT-66-12274 Field 20H

Ollendorff, F.
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Order from SLA: $1.60 as TT-66-12274

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TT-66-12277 Field 20H, 20M

Schottky, W.
CORRELATION BETWEEN CORPUSCULAR AND THERMAL FLUCTUATIONS IN THERMIONIC TUBES. 43p (figs omitted) 14refs.
Order from SLA: $4.60 as TT-66-12277

Trans. of Zeitschrift fuer Physik (Germany) v104 n3/4 p248-74 1936.

TT-66-12279 Field 20H, 20M

Schottky, W.
REPORT ON THERMAL ELECTRON EMISSION. INVESTIGATION FROM 1905-1914. 43p, 79refs.
Order from SLA: $4.60 as TT-66-12279

Trans. of Jahrbuch der Radioaktivitat und Elektronik (Germany) v12 p147-205 1915.

TT-66-12327 Field 20H

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THE VARIATION IN LUMINESCENCE AND ELECTRICAL CONDUCTIVITY OF CdS CRYSTALS CAUSED BY IRRADIATION WITH ALPHA PARTICLES. 41p, 21refs.
Order from SLA: $4.60 as TT-66-12327

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TT-66-12598 Field 20H

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OBSERVATIONS OF THE FIELD EMISSION AND THE CATHODE SPUTTERING OF THORIATED TUNGSTEN. 15p (figs omitted) 5refs.
Order from SLA: $1.60 as TT-66-12598

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TT-66-12868 Field 20H

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EQUIVALENT CIRCUIT FOR INTERNAL DISCHARGES IN A SOLID DIELECTRIC (Das Ersatzschema fuer die Inneren Entladungen im Festen Dielektrikum). Tr. by M. I. Weinreich. 11 Jan 65, 12p, 2refs. SC-T-65-705.
Order from SLA: $1.60 as TT-66-12868

Trans. of Acta Technica (Czechoslovakia) v8 n6 p509-23 1963.

TT-66-13101 Field 20H

Hippel, A. V.
CATHODE SPUTTERING PROBLEMS. ON THE NATURE AND CHARGE DENSITY OF THE METAL PARTICLES EMITTED. 10p (figs refs omitted).
Order from SLA: $1.10 as TT-66-13101

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TT-66-13139 Field 20H

Pavlov, V. I.; Starodubtsev, S. V.
THE SECONDARY EMISSION OF CONDUCTORS UNDER POSITIVE ION BOMBARDMENT. II. SLOW IONS. 11p, 3refs.
Order from SLA: $1.60 as TT-66-13139

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TT-66-60806 Field 20H, 3B

Kuzmin, A. I.
INTENSITY VARIATIONS OF COSMIC RAYS (Variatsii Intensivnosti Kosmicheskikh Luchei). Feb 66, 222p, refs.
NASA-TT-F-183; N66-17186.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as as N66-17186

Trans. of Akademiya Nauk SSSR, Yakutskii Filial, Yakutsk. Trudy: Seriya Fizicheskaya, n4 164p 1962.

TT-66-61338 Field 20H, 18K

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ON SOME EXPERIMENTAL ESTIMATES OF ELECTRICAL POLARIZABILITY COEFFICIENTS OF NUCLEONS. 1966, 17p, 41refs.
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Trans. of Joint Institute of Nuclear Research, Dubna (USSR) JINR-P-2495 1965.

TT-66-61532 Field 20H

Getmantsev, G. G.
THE ANTICIPATED ANISOTROPY OF NON-THERMAL COSMIC RADIATION AT LOW FREQUENCIES. Tr. by P. A. Kazakov. 1966, 5p, 3refs. CSIRO-Trans-7961.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61532

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

I. Plasma physics

TT-65-63098 Field 20I

Borovik, E. S.; Knyazev, Yu. R.; Mitin, R. V.
LONG HIGH-PRESSURE ARCS. 8 Jul 65, 17p, 10refs.
FTD-MT-64-478; AD-619 475.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-619 475

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TT-66-11994 Field 20I

Consoli, T.
A REVIEW OF MICRO-WAVE TECHNIQUES IN PLASMA STUDIES (Survol des Techniques Micro-Ondes pour l'Etude des Plasmas). Tr. by M. I. Weinreich.
28 Mar 66, 56p, 41refs. SC-T-66-0722.
Order from SLA: $5.60 as TT-66-11994

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TT-66-12530 Field 20I

Berard, A.
THE FIRST LIQUID CLOUD CHAMBER IS A GREAT FRENCH ACCOMPLISHMENT (La Premiere Chamber d'Ionisation Liquide est une Grande Realisation). 17p.
Order from SLA: $1.60 as TT-66-12530

Trans. of Revue Generale d'Electronique (France) v195 p29-33 1963.

TT-66-12707 Field 20I, 20H

Kohlschuetter, V.
SPUTTERING DUE TO CANAL RAYS. 84p.
Order from SLA: $8.10 as TT-66-12707

Trans. of Jahrbuch der Radioaktivitaet und Elektronik (Germany) v9 p355-418 1912.

TT-66-60057 Field 20I

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A MICROWAVE NOISE SOURCE OF GAS DISCHARGE FOR CIRCULAR WAVEGUIDES. 1 Dec 65, 18p, 8refs.
FTD-TT-65-359; AD-625 261.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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Edited trans. of Tien Tzu Hsueh Pao (Chinese People's Republic) n1 p23-30 1964.

TT-66-60795 Field 20I

Gvozdover, S.
INVESTIGATION OF A DIRECTED BEAM OF HIGH SPEED ELECTRONS THROUGH MERCURY VAPORS IN A HEATED-CATHODE DISCHARGE TUBE. Jan 66, 14p, refs.
N66-15313; NASA-TT-F-370.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-60796 Field 20I

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ELECTRON DRIFT IN PLASMA. Jan 66, 15p, refs.
N66-15314; NASA-TT-F-371.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as N66-15314

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TT-66-60798 Field 20I, 20C

Breitholtz, B.
THE RETROGRADE MOTION OF VACUUM ARCS AND LOW PRESSURE ARCS IN A TRANSVERSE MAGNETIC FIELD.
Jul 65, 45p, refs. RAE-Lib-Trans-1117; N66-15680.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-61472 Field 20I, 20F, 14B

Balakhanov; Striganov.
FABRY-PEROT INTERFEROMETER IN THE MICROWAVE REGION OF THE SPECTRUM AND ITS USE FOR PLASMA DIAGNOSTICS (Interferometer Fabri-Pero Mikrovolnovoi Oblasti Spektra i Ego Primememie dlya Diagnostiki Plazmy). 1966, 12p. Trans-2198; AD-634 229.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-61704 Field 20I

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ABSORPTION OF HIGH-FREQUENCY ENERGY BY A PLASMA IN ION CYCLOTRON RESONANCE IN STRONG HIGH-FREQUENCY FIELDS. 1966, 10p, 15refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
as TT-66-61704

Trans. of mono. Vysokochastn. Svoistva Plazmy, Kiev, 1965 p15-25.

TT-66-61731 Field 20I

Ivanov, B. I.
NONLINEAR EFFECTS IN A PLASMA WAVEGUIDE (ION CYCLOTRON RESONANCE AT THE DIFFERENCE FREQUENCY). 1966, 6p, 12refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50
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High-frequency properties of plasma.

TT-66-62023 Field 20I

Korchevii, Yu. P.; Semichaevskii, V. D.
SOME PROPERTIES OF A SHORT ARC IN CESIUM VAPOR (Pro Deiaki Osoblivosti Korotkoi Dugi v Parakh Zesiyu). Jun 66, 11p, 10refs.
ERDL-T-1857-66; AD-636 935.
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J. Quantum theory

TT-66-11767 Field 20J

Bazarov, I. P.
THE QUANTUM KINETIC EQUATION AND COLLECTIVE OSCILLATIONS IN CRYSTALS. 7p, 6refs.
Order from SLA: $1.10 as TT-66-11767

Trans. of Moscow Univ. Vestnik. Seriya 3: Fizika, Astronomiya (USSR) v20 n4 p3-6 1965.

TT-66-61254 Field 20J, 7D

Bolotin, A. B.; Levinson, I. B.; Tolmachev, V. V.
ANGULAR INTEGRATION OF FEYNMAN DIAGRAMS IN THE FIELD-THEORETIC PERTUBATION THEORY OF ATOMS (Integrirovanie Feinmanovskikh Diagramm po Uglovym Peremennym v Polevoi Forme Teorii Vozmushchenii dlya Atomov). Tr. by Stuart W. Kellogg. Mar 66, 16p, 4refs.
AmMetSoc-T-R-543; AD-632 807.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 807

Trans. of Lietuvos Fizikos Rinkinys (Lithuanian SSR) v4 n1 p25-33 1964.
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TT-66-61358 Field 20J

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SOLUTION OF EIGENVALUE PROBLEMS BY THE COMPLEMENT VECTOR METHOD. 1966, 10p, 10refs.
Order from CFSTI, or ETC: HC$1.10, MF$0.50 as TT-66-61358

Trans. of Zhurnal Vychislitalnoi Matematiki i Matematicheskoi Fiziki (USSR) v5 n6 p1107-15 1965.

TT-66-61933 Field 20J, 20N, 13B

Hu, C., Hwang, H. C.; Ku, K. C.; Cheu, M. C.
SCIENCE BULLETIN: SELECTED ARTICLES. 23 May 66, 9p. FTD-TT-65-1040; AD-636 622.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 622

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K. Solid mechanics

TT-65-64351 Field 20K

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FREE TRANSVERSE VIBRATIONS OF A CIRCULAR CYLINDRICAL SANDWICH SHELL WITH A HARD FILLER. 1965, 9p, 5refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-65-64351

Trans. of Soprotivlenie Materialov i Teoriya Sooruzhenii (USSR) n1 p7-17 1965.

TT-65-64359 Field 20K

Korbut, B. A.; Odnoral, L. G.
STABILITY OF A CYLINDRICAL PANEL ON AN ELASTIC FOUNDATION. 1965, 5p, 4refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-65-64359

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TT-66-11670 Field 20K

Kufner, M.
MATERIALS FOR PHOTOELASTIC MODELS OF COMPOUND STRUCTURES. 13p, 3refs.
Order from SLA: $1.60 as TT-66-11670

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IDENTIFICATION AND FORMATION OF KINK BANDS IN PLASTICALLY DEFORMED LAMELLAR PEARLITE. Tr. by J. B. Sykes. Jun 65, 5p, 5refs. NP-tr-1272.
Order from SLA: $1.10 as TT-66-11847

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TT-66-12313 Field 20K

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ON THE CONSTRUCTION OF AN APPROXIMATE THEORY MEMBRANE SHELLS BY THE METHOD OF ASYMPTOTIC INTEGRATION OF THE EQUATIONS OF ELASTICITY THEORY. 6p, 2refs.
Order from SLA: $1.10 as TT-66-12313

Trans. of Inzhenernyi Zhurnal (USSR) v5 n6 p1117-21 1965.

TT-66-12342 Field 20K

Rossard, C.
THE FORMATION OF A NECK IN A HOT TENSILE TEST. 24p (figs refs omitted).
Order from SLA: $2.60 as TT-66-12342

Trans. of Institute des Recherche de la Siderurgie. Rept. (France) LA-114, Apr 1965.

TT-66-12355 Field 20K

Sawaragi, Y.; Fuji, T.; Okada, Y.
FORCED VIBRATIONS OF A SYSTEM WITH TWO DEGREES OF FREEDOM AND COULOMB FRICTION. 4 Oct 64, 15p, 1ref. SC-T-64-1640.
Order from SLA: $1.60 as TT-66-12355

Trans. of Nihon Kikai-Gakkai Rombunshu (Japan) v24 n147 p873-9 1958.

TT-66-12485 Field 20K

Perederii, S. K.
CYLINDRICAL SHELL UNDER THE EFFECT OF A CONCENTRATED RADIAL LOADING. 6p, 7refs.
Order from SLA: $1.10 as TT-66-12485

Trans. of Prikladnaya Mekhanika (USSR) v1 n9 p14-9 1965.

TT-66-12713 Field 20K

Lepilkin, A. M.
VORTICITY THEORY OF THE LIFTING ROTOR AND

OF THE MUTUAL INTERFERENCES OF ROTORS (Vikhrevaya Teoriya Nesushchego Vinta i Vzaimnogo Vliyaniya Vintov). 80p (foreign text included) 7refs.
Order from SLA: $7.60 as TT-66-12713

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ANALYSIS OF CYLINDRICAL SHELLS UNDER CONCENTRATED EFFECTS. 1966, 7p, 5refs.
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TT-66-61034 Field 20K

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VIBRATIONS OF GAS-FILLED CYLINDRICAL SHELL. 1966, 6p, 7refs.
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Trans. of Inzhenernyi Zhurnal (USSR) v5 n5 p996-9 1965.

TT-66-61123 Field 20K

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SOLUTION OF THE PROBLEMS OF FREE FLUCTUATIONS OF ANISOTROPIC DISCS. 15 Mar 66, 12p, 5refs.
FTD-TT-65-890; AD-631 766.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 766

Unedited rough draft trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Fiziko-Matematicheskikh Nauk v17 n4 p43-50 1964.

TT-66-61356 Field 20K, 11B, 11I

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STABILITY OF A CLOSED CYLINDRICAL ORTHOTROPIC FLEXIBLE SHELL TAKING ACCOUNT OF LINEAR HEREDITY. 1966, 7p, 6refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61356

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TT-66-61359 Field 20K

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VIBRATIONS AND STABILITY OF A CYLINDRICAL SHELL. 1966, 10p, 8refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61359

Trans. of Mekhanika Tverdogo Tela (USSR) n1 p67-73 1966.

TT-66-61362 Field 20K

Korbut, B. A.
STABILITY OF A SPHERICAL SHELL WITH AN ELASTIC FILLER. 1966, 6p, 3refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61362

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TT-66-61386 Field 20K

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STRESS STATE NEAR A RECTANGULAR OPENING WITH CURVED ANGLES IN A CYLINDRICAL SHELL.
Tr. by Myron C. Nagurney. Apr 66, 8p.
BuShips-Trans-983; AD-633 582.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-633 582

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CREEP OF MEMBRANE SHELLS OF REVOLUTION UNDER LARGE DEFORMATIONS. 1966, 6p, 5refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61696

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TT-66-61700 Field 20K

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BENDING FLUTTER OF ROTATING ELONGATED BODIES. 1966, 7p, 4refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61700

Trans. of Mekhanika Tverdogo Tela (USSR) n2 p160-6 1966.

TT-66-61702 Field 20K

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APPROXIMATE DETERMINATION OF THE CRITICAL FORCES OF SOME ELASTIC SYSTEMS. 1966, 3p, 4refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61702

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n10 p1295-7 1965.

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INFLUENCE OF THE BOUNDARY CONDITIONS ON THE FREE VIBRATIONS FREQUENCY AND MODES OF A CONICAL SHELL. 1966, 6p, 4refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61709

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinostroenie (USSR) n3 p178-83 1966.

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ON SOME QUADRATURES OF FUNDAMENTAL BEAM FUNCTIONS. 1966, 6p, 5refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61717

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VIBRATIONS OF VERY SHALLOW CIRCULAR ARCHES.

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Order from CFSTI or ETC: HC$1.10, MF$0.50
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Trans. of Issledovaniya po Teorii Sooruzhenii (USSR) n13 p127-34 1965.

TT-66-61722 Field 20K

Pomazi, L. P.
ON THE STABILITY OF MULTILAYER PLATES. 1966, 6p, 3refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50
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TT-66-61726 Field 20K

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ON THE STABILITY OF CONICAL SHELLS UNDER AXIAL COMPRESSION. 1966, 6p, 4refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50
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L. Solid-state physics

TT-65-63941 Field 20L

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-621 056

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TT-66-11249 Field 20L

Shakhtakhtinskii, M. G.
THE USE OF RADIOISOTOPES TO INVESTIGATE THE SATURATED VAPOR PRESSURES OF SEVERAL SEMICONDUCTORS (Issledovanie Uprugosti Nasyshchennykh Parov Nekotorykh Poluprovodnikov s Primeneniem Radioizotopov). 103p (foreign text included) 104refs.
Order from SLA: $9.10 as TT-66-11249

Trans. of Akademiya Nauk Azerbaidzhanskoi SSR, Baku. Institut Fiziki. Trudy, v11 p52-107 1963.

TT-66-11266 Field 20L, 20B

Tsinzerling, E. V.
METHODS OF INVESTIGATING DAUPHINE TWINS OF QUARTZ (O Metodakh Issledovaniya Dofineiskikh Dvoinikov Kvartsa). 12p (foreign text included).
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Artificial Twinning of Crystals.

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PREPARATION AND STUDY OF THE SOLDI-SOLUTION SERIES La(Sr)CoOs AND La(Th) CoO3. 5p (figs omitted) 6refs.
Order from SLA: $1.10 as TT-66-11294

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Order from SLA: $1.60 as TT-66-11295

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Votava, E.
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Order from SLA: $2.60 as TT-66-11376

Trans. of Physica Status Solidi (Germany) v5 p421-34 1964.

TT-66-11378 Field 20L

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STUDY OF ATOMIC DEFECTS IN COLD-WORKED

COPPER BY MEANS OF ITS ELECTRICAL RESISTANCE (Untersuchung Atomarer Fehlstellen in Verformtem Kupfer mit Hilfe des Elektrischen Widerstandes). Tr. by J. M. Silverstein. Nov 65, 35p, 15refs. UCRL-Trans-1295.
Order from SLA: $3.60 as TT-66-11378

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REFLECTIVITY OF GERMANIUM AND SILICON SINGLE CRYSTALS DURING ELASTIC DEFORMATION. 28p, 31refs.
Order from SLA: $2.60 as TT-66-11468

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ON THE ABNORMAL INCREASE IN THE DUCTILITY OF ALPHA + BETA BRASSES (Ob Anomalnom Povyshenii Plastichnosti Alpha + Beta-Latunei). 22p (foreign text included) 10refs.
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Order from SLA: $1.60 as TT-66-11618

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TT-66-11837 Field 20L

Benedict, U.; Huet, J. J.
STUDY OF ZIRCONIUM-RICH ALLOYS OF THE ZIRCONIUM-NIOBIUM-CHROMIUM AND ZIRCONIUM-NIOBIUM-VANADIUM SYSTEMS. Tr. by C. Carty. Oct 64, 12p, 22refs. EURAEC-717.
Order from SLA: $1.60 as TT-66-11837

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Order from SLA: $2.60 as TT-66-11843

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STUDY OF URANIUM-MOLYBDENUM DIFFUSION IN A CUBIC CENTERED SOLID GAMMA-SOLUTION. Tr. by D. A. Nimidoff. Mar 64, 25p, 10refs. UCRL-Trans-1051(L); CEA-880.
Order from SLA: $2.60 as TT-66-11853

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SUPERCONDUCTIVITY OF TITANIUM AND ITS ALLOYS. Tr. by A. Cornell. Nov 64, 16p, 49refs. AI-Trans-64.
Order from SLA: $1.60 as TT-66-11857

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Schultz, H.
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Order from SLA: $1.10 as TT-66-11858

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THERMALLY ACTIVATED PROCESSES IN THE DEFORMATION OF NEUTRON-IRRADIATED COPPER SINGLE CRYSTALS. II. DISLOCATION MOTION IN THE PRESENCE OF AN OBSTACLE SPECTRUM AND EVALUATION OF MEASUREMENTS (Thermisch Aktivierte Vorgaenge bei der Verformung Neutronenbestrahlter Kupfer-Einkristalle. II. Versetzungsbewegung bei Vorliegen eines Hindernisspektrums und Auswertung von Messungen). Tr. by E. K. Wilip. Jan 66, 21p, 18refs. ANL-Trans-274.
Order from SLA: $2.60 as TT-66-11867

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TT-66-11868 Field 20L

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Order from SLA: $2.60 as TT-66-11878

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Order from SLA: $1.60 as TT-66-11882

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TT-66-11957 Field 20L, 14B

Ebert, F.
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Order from SLA: $1.10 as TT-66-11957

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7p, 6refs. AEC-tr-6585.
Order from SLA: $1.10 as TT-66-12131

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EFFECT OF SOLID-STATE BODY PROPERTIES UPON THE CALCULATION OF DOPPLER COEFFICIENTS (Einfluss von Festkoerpereigenschaften auf die Berechnung des Dopplerkoeffizienten). Tr. by E. K. Wilip. Mar 66, 9p, 5refs. ANL-Trans-305.
Order from SLA: $1.10 as TT-66-12142

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Order from SLA: $1.60 as TT-66-12146

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THE ROLE OF THE COHERENCE LENGTH IN SUPER-CONDUCTING TRANSITION. 12p, 21refs.
Order from SLA: $1.60 as TT-66-12186

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THE THEORY OF ELECTRON EMISSION OF METALS.
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Order from SLA: $6.60 as TT-66-12260

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Order from SLA: $4.60 as TT-66-12265

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ON THE THEORY OF A KINETIC PHENOMENA IN SEMICONDUCTORS WITH A NARROW IMPURITY BAND. 9p, 7refs.
Order from SLA: $1.10 as TT-66-12292

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR)
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FORMATION OF SOLID SOLUTIONS AND MAGNETIC SUSCEPTIBILITY IN HgTe-HgSe, HgTe-BHgS, HgSe-BHgS SYSTEMS. 8p, 22refs.
Order from SLA: $1.10 as TT-66-12295

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v25 n8 p1347-51 1955.

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STRAIN FIELD AND MECHANICAL RELAXATION OF VACANCIES IN GERMANIUM. Tr. by A. Cornell. Dec 64, 15p, 9refs. AI-Trans-66.
Order from SLA: $1.60 as TT-66-12353

Trans. of Physica Status Solidi (Germany) v3 p1480-90 1963.

TT-66-12354 Field 20L

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ELECTRON-THEORETICAL RESEARCH ON DEFECTS IN METALS. VIII. STEPS ('JOG-LINES') IN STACKING-FAULTS AND THEIR INFLUENCE ON THE ENERGIES OF JOGS IN DISLOCATIONS. Tr. by A. Cornell. Jan 65, 25p, 11refs. AI-Trans-70.
Order from SLA: $2.60 as TT-66-12354

Trans. of Physics and Chemistry of Solids (U. S.) v16 n3/4 p253-64 1960.

TT-66-12365 Field 20L

Ort, W.
THE BEHAVIOR OF THE RESISTANCE OF VERY THIN BISMUTH FILMS, IN PARTICULAR WITH RESPECT TO THE ADSORPTION OF OXYGEN. Tr. by S. J. Dechter and G. A. Condas. Aug 64, 16p, 14refs. UCRL-Trans-1116(L).
Order from SLA: $1.60 as TT-66-12365

Trans. of Zeitschrift fuer Physik (West Germany) v163 p230-9 1961.

TT-66-12552 Field 20L, 11F

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DETERMINATION OF PARAMETERS OF VOLUME AND BOUNDARY DIFFUSION OF SILVER INTO ALUMINUM. 5p, 12refs.
Order from SLA: $1.10 as TT-66-12552

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TT-66-12685 Field 20L

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MICROSCOPIC THEORY OF TRANSITIONS ACCOMPANIED BY A MODIFICATION OF CRYSTALLINE STRUCTURE (Theorie Microscopique des Transitions s'Accompagnant d'une Modification de la Structure Cristalline). 16p, 12refs.
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Order from SLA: $1.60 as TT-66-12763

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CONTRIBUTION TO THE THEORY OF COERCIVE FORCE IN SOFT STEELS (K Teorii Koertsitivnoi Sily Myagkikh Stalei). 8p (foreign text included) 6refs.
Order from SLA: $1.10 as TT-66-12876

Trans. of Akademiya Nauk SSSR, Doklady, v58 n1 p37-40 1949.

TT-66-12901 Field 20L

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DIELECTRIC CONSTANT, CONDUCTIVITY AND PIEZOELECTRIC EFFECT OF ROCHELLE SALT CRYSTALS. 30p (figs omitted) 17refs.
Order from SLA: $2.60 as TT-66-12901

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STRENGTHENING OF NEUTRON-IRRADIATED SINGLE CRYSTALS OF COPPER. PT III. INTERPRETATION AND EVALUATION OF SOME CHARACTERISTIC VALUES OF STRENGTHENING (Verfestigung Neutronbestrahlter Kupfereinkristalle. III. Interpretation und Ausertung Einiger Verfestigungskenngroessen). Tr. by L. Venters. May 64, 26p, 31refs. ANL-Trans-19.
Order from SLA: $2.60 as TT-66-12947

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Vitman, F. F.; Dmitrieva, T. G.; Pukh, V. P.
RESIDUAL STRESSES IN GLASSES QUENCHED IN LIQUIDS (Ostatochnye Napryazheniya v Steklakh, Zakalennykh v Zhidkostyakh). 26p (foreign text included) 17refs.
Order from SLA: $2.60 as TT-66-13007

Trans. of Fizika Tverdogo Tela (USSR) v4 n8 p2151-9 1962.

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HIGH FREQUENCY LOSSES OF VARIOUS KINDS OF GLASS AND SOME OTHER DIELECTRICS. 20p, 16refs.
Order from SLA: $1.60 as TT-66-13137

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Order from SLA: $1.60 as TT-66-13229
Trans. of Zeitschrift fuer Metallkunde (West Germany) v55 n3 p146-52 1964.

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M. Thermodynamics

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TT-66-60794 Field 20M

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62005 Field 20M, 7D

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Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-62005

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TT-66-62010 Field 20M

Liutikas, N. S.; Zhukauskas, A. A.
ON THE QUESTION OF DETERMINING THE HEAT EXCHANGE IN LAMINAR VARIABLE-VISCOSITY FLUID FLOW IN A PLANE CHANNEL, 1, AT CONSTANT WALL TEMPERATURE. 1966, 12p, 9refs.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-62010

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N. Wave propagation

TT-66-11195 Field 20N

Klinger, H. H.
GENERATION, PROPAGATION AND APPLICATION OF MILLIMETER WAVES. 4p.
Order from SLA: $1.10 as TT-66-11195

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TT-66-11263 Field 20N, 20F

Taranov, V. I.
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Order from SLA: $1.10 as TT-66-11469

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TT-66-11633 Field 20N, 20J

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Order from SLA: $1.60 as TT-66-11633

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Ortusi, J.
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Order from SLA: $2.60 as TT-66-12263

Trans. of Annales des Telecommunications (France) v2 n4 p118-24 1947.

TT-66-12273 Field 20N

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Kohl, K.
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Order from SLA: $8.60 as TT-66-12674

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TT-66-61685 Field 20N

Telpukhovskii, N. A.
DETERMINATION OF PROPAGATION OF SHORT-WAVE SIGNALS BY THE CHARACTERISTIC DISTORTIONS AT THE POINT OF RECEPTION. 16 Feb 66, 19p, 3refs. FTD-MT-65-166; AD-635 273.
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TT-66-61810 Field 20N

Ginzburg, E. I.
ON THE PROPAGATION OF STRONG RADIOWAVES IN THE IONOSPHERE. Tr. by C. R. Haave. 27 Jun 66, 15p, 7refs. TG-230-T484; AD-635 891.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 891

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) v7 n6 p1041-8 1964.
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21 PROPULSION AND FUELS

B. Combustion and ignition

TT-66-11477 Field 21B, 21G

Kostrov, A. V.
THE VALUE OF THE HEAT-TRANSFER COEFFICIENT IN THE DETERMINATION OF THE PISTON TEMPERATURE OF AN INTERNAL COMBUSTION ENGINE. 16p, 7refs.
Order from SLA: $1.60 as TT-66-11477

Trans. of Avtomobilnaya Promyshlennost (USSR) v31 n5 p4-7 1965.

TT-66-61518 Field 21B

Ravish, M. B.
A METHOD FOR CALCULATING EXCESS OXYGEN WHEN FUEL IS BURNT IN ATMOSPHERES OF OXYGEN OR OXYGEN - NITROGEN MIXTURES. 1966, 7p.
CE-Trans-4213.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61518

Trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, n11 p141-3 1955.

TT-66-61953 Field 21B

Kurzhunov, V. V.
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FTD-TT-65-1976; AD-636 667.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 667

Unedited rough draft trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) n7 p91-5 1964.

For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61961 Field 21B, 21G

Markova, I. V.; Polukhin, E. S.
ON THE KNOCKING CHARACTERISTICS OF AIR-COOLED ENGINES. 26 May 66, 13p.
FTD-TT-65-1858; AD-636 677.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 677

Unedited rough draft trans. of Avtomobilnaya Promyshlennost (USSR) v30 n9 p5-7 1964.

D. Fuels

TT-65-63246 Field 21D, 7A

Apushkin, K. K.
OXIDOREDUCTION PROCESSES IN PEAT. Tr. by H. Norris. 11 Feb 48, 6p, 7refs.
Available on loan from CFSTI as TT-65-63246

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Document is not reproducible and is available from the Clearinghouse on loan only.

TT-66-11561 Field 21D, 7C

Cianetti, E.
DETERMINATION OF SOME ANTIOXIDANT ADDITIVES IN GASOLINE. 6p.
Order from SLA: $1.10 as TT-66-11561

Trans. of Rassegna Chimica (Italy) v10 n3 p22-3 1958.
Another trans. is available from ATS $5.60 as ATS-18P59I, 4p.

TT-66-11910 Field 21D, 7A

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THE ANTIDETONANT EFFECIENCY AND MECHANISM OF ACTION OF METHYCYCLOPENTADIENYL MANGANESE TRICARBONYL IN GASOLINES OF VARIOUS COMPOSITIONS. 21p, 7refs.
Order from SLA: $2.60 as TT-66-11910

Trans. of la Rivista dei Combustibili (Italy) v16 n9 p371-8 1962.
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TT-66-12776 Field 21D

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MATHEMATICAL METHODS FOR DETERMINING OPTIMUM FORMULATIONS IN BLENDING AVIATION GASOLINE. 6p, 2refs.
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Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v9 n12 p51-6 1964.

TT-66-62044 Field 21D

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JET FUELS. 2 Mar 66, 240p, 57refs.
FTD-MT-64-292; AD-637 097.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as AD-637 097

Edited machine trans. of mono. Reaktivnye Topliva, Moscow, 1963 p1-165.

E. Jet and gas turbine engines

TT-66-12644 Field 21E

Calmon, J.
DEVELOPMENT OF THE TRANSONIC COMPRESSOR AT SNECMA. 29p, 12refs.
Order from SLA: $2.60 as TT-66-12644

Trans. of Technique et Science Aeronautiques et Spatiales (France) v5 p431-45 1965.

TT-66-61523 Field 21E, 13A

Ryss, A. G.; Ozeran, T. I.
SELECTING THE INITIAL STEAM CONDITIONS FOR LARGE STANDARD-PRODUCTION BOILER-TURBINE UNITS. 1966, 13p, 4refs. CE-Trans-3960.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61523

Trans. of Elektricheskie Stantsii (USSR) v36 n3 p8-12 1965.

T-66-61526 Field 21E

Bogomolov, S. I.
COMBINED VIBRATIONS IN TURBINE WHEELS AND MOVING BLADES. 1966, 14p, 6refs. CE-Trans-4152.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
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Trans. of Energomashinostroenie (USSR) v10 n2 p7-11 1965.

TT-66-61878 Field 21E, 20D

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CALCULATION OF THE DISCHARGE CHARACTERISTICS OF NOZZLE CASCADES (K Raschetu Raskhodnykh Kharakteristik Soplovykh Apparatov). 16 Mar 66, 17p, 2refs. ATD-66-23; AD-636 298.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 298

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Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-61892 Field 21E

Starostin, V.
TURBOFAN ENGINES: THEIR PRESENT AND FUTURE (Turboventilyatornye Dvigateli: Ikh Nastoyashcheye i Budushcheye). 18 Apr 66, 15p. ATD-66-42; AD-636 407.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-61965 Field 21E

Rasputnis, A. I.; Bukharin, N. N.
INVESTIGATION OF GAS-TURBINE EXHAUST DUCTS (Issledovanie Vykhlopnykh Patrubkov Gazovykh Turbin). 28 Jul 66, 16p, 5refs. ATD-66-31; AD-636 721.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) n9 p38-46 1965.

Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-62029 Field 21E, 21D, 21B

Ermolaev, M. D.
ORGANIZATION OF COMBUSTION OF HEAVY FUELS IN COMBUSTION CHAMBERS OF GAS TURBINE INSTALLATIONS. 13 Apr 66, 25p, 9refs. FTD-MT-65-290; AD-637 052.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-637 052

Edited machine trans. of Aviatsionnyi Institut, Kazan. Trudy (USSR) v66 p3-17 1961.

F. Nuclear propulsion

TT-66-61945 Field 21F

Vasiljevic, N.
ATOMIC AIRCRAFT ENGINES. 23 May 66, 12p.
FTD-TT-65-1180; AD-636 657.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 657

Unedited rough draft trans. of Tehnika (Yugoslovia) v18 n3 p426-8 1963.

G. Reciprocating engines

TT-66-62021 Field 21G, 20K

Meier, A.
THE KINEMATICS OF PISTON SLAP. Mar 66, 18p, 9refs.
NSTIC-Trans-1756; AD-636 945.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-636 945

Trans. of ATZ; Automobiltechnische Zeitschrift (West Germany) v54 p123-8 1952.

TT-66-62052 Field 21G

Lamekin, N. S.
METHOD OF CALCULATION OF GENERATOR CLEARANCE OF A LIQUID FUEL INJECTOR.
13 Apr 66, 19p, 11refs. FTD-MT-65-283; AD-637 109.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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22 SPACE TECHNOLOGY

A. Astronautics

TT-66-60802 Field 22A

Bratiichuk, M. V.; Moskaleva, G. V.
BRIGHTNESS VARIATION OF THE ECHO I SATELLITE.
Dec 65, 16p, refs. N66-16146; NASA-TT-F-9841.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as N66-16146

Trans. of Byulleten Stantsii Opticheskogo Nablyudeniya Iskusstvennykh Sputnikov Zemli (USSR) n36 p23-9 1963.

TT-66-60972 Field 22A, 6S, 6K

Jethon, Z.
LATEST ACHIEVEMENTS OF SOVIET SCIENCE IN THE CONQUEST OF SPACE. 21 Jan 66, 20p.
FTD-TT-65-1704; AD-630-879.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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Edited trans. of Wojskowy Przeglad Lotniczy (Poland) v19 n8 p48-59 1965.

TT-66-61443 Field 22A, 3B

Mutschall, V. E.
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